

**F-22 Performance-Based Logistics
Indefinite Quantity/Indefinite Delivery Contract**

Follow-on Agile Sustainment for the Raptor II (FASTeR) II

(1 Jan 2018 - 31 Dec 2027)

Basic Performance Work Statement (PWS)

Contract Number: FA8205-18-D-0001

22 August 2016

Revision Page

Section #	Solicitation Amend #	Action Taken	Change
2.0	0001	Incorporate	End of paragraph added "and its own period of performance and/or delivery schedule."
2.0	0001	Incorporate	Inserted language defining "Working Days"
4.5.1	0001	Amend	Rewrote to "The contractor shall implement a Counterfeit Parts Prevention Program Plan (CPPP) based on the CPPP developed and or used in the implementation of the FASTeR contract. Revisions to this plan will be made as applicable by the contractor."
4.5.2	0001	Amend	Removed "the development of the" and replace with "maintaining its"
6.0	0001	Incorporate	Last sentence, added the words "Based on mutual agreement"
8.2 (b) #3	0001	Remove/Incorporate	Removed reference to Section 3.1 and stated "other related F-22 contracts"
8.2 (b) #4	0001	Incorporate	Inserted "or recommended alternative action"
8.4	0001	Incorporate	Added "Authorization to Use other than New Materials" language back in
11.0	0001	Incorporate	Third Paragraph added "of each calendar year"
12.1	0001	Amend	Removed RAMMP CLIN references and updated titles
13.0	0001	Incorporate	Inserted the word "Airworthiness" before last paragraph
13.0	0001	Incorporate	Inserted the words "Low Observable" in the overarching paragraph.
13.0	0001	Incorporate	Last paragraph, inserted Risk Management language.
14.0	0001	Remove	Removed "Low Observable (LO)" from first paragraph
14.0	0001	Amend	Replaced Engine Structural Integrity Program with "Proposal System Integrity Program (PSIP)"
14.0	0001	Remove	Removed last sentence of second paragraph.

Section #	Solicitation Amend #	Action Taken	Change
20.0	0001	Remove	Removed "to include sub vendor travel"
21.1	0001	Incorporate	First sentence added "based upon mutual agreement"
21.1	0001	Remove	Removed "Associate Contractors are listed in (f) below."
21.1	0001	Remove	Removed "E&F"
23.1	0001	Amend	Changed CDRL A003 from: DD Form 1923-1 to: DD Form 1923-5. Changed CDRL A023 name to: Technical Report-Study/Services
25.0	0001	Amend	<p>Changed title to read "Quality Control Plan and paragraphs to read " Maintain a complete Quality Control Plan to ensure the requirements of this contract are provided as specified.</p> <p>The Quality Control Plan shall comply with the minimum quality management systems elements specified in the American National Standards Institute (ANSI)/American Standards Organization (ASO)/International Standards Organization (ISO) family of standards."</p>
26.0	0001	Amend	<p>Change the word "all" to "applicable"</p> <p>Removed "The contractor shall comply with the most updated version of all guidance and policy defined below."</p>
26.1	0001	Incorporate	Inserted " The contractor shall comply with the applicable version of all current guidance and policy defined below."
28.0	0001	Incorporate/Remove	<p>Added "federal, state, and local" to last sentence. Note: Awaiting LMA current Safety Plan document number</p> <p>Removed "Develop a safety program. The safety program plan must be approved by the 75 ABW/SEG Ground Safety Office prior to any performance under this contract within 60-90 days of award of contract."</p>
32.1	0001	Amend	Changed "Field Service Representative (FSE)" to "Field Service Engineers (FSE)"

Section #	Solicitation Amend #	Action Taken	Change
33.0	0001	Remove	Removed "purpose" from the title

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1.0 Scope

The scope of the FASTeR II contract shall include sustainment activities/processes necessary to support the mission, operation, and continued modernization of combat capabilities for the F-22 weapon system. This PWS defines the effort required for the Contractor to provide all maintenance, logistic support, and required engineering elements necessary to support the F-22 air vehicle at all levels of maintenance in accordance with the performance objectives cited herein. The above activities/processes shall be accomplished as directed by the FASTeR II Task Orders.

2.0 Description of Services

This Performance Work Statement (PWS) establishes the support requirements for the F-22 Air Vehicle Performance Based Logistics (PBL) services contract effort with Lockheed Martin Aeronautics Company (LMA) as the Product Support Integrator (PSI). As the F-22 Air Vehicle PSI Contractor, LMA shall assume total system integration management responsibility and ensure a safe and airworthy F-22 Air Vehicle is sustained, as required by the contract. In accordance with 10 United States Code (U.S.C.) 2337, a PSI is “an entity within the Federal Government or outside the Federal Government charged with integrating all sources of product support, both private and public, defined within the scope of a product support arrangement. “This PWS defines the effort required for the Contractor to provide all maintenance, logistic support, and required engineering elements necessary to support the F-22 Air Vehicle at all levels of maintenance in accordance with the performance objectives cited herein.

F-22 Air Vehicle PSI services to be provided under this PBL contract are comprised of key logistics areas, which include: Program Management Support, Operations Support, Field Support, Integrated Maintenance Information Systems (IMIS), Technical Order Data, Supply Chain Management, Training Systems, Fleet Management, Depot Installation and Throughput, Sustaining Engineering, Weapon System Integrity Program (WSIP), Support Equipment, Reliability, Maintainability and Maturation Program (RAMMP), Depot Activations, Software Sustainment, and other similar comprehensive air vehicle sustainment services, as needed.

The F-22 Air Vehicle is fielded at five operational bases and five support locations (as noted below). The F-22 Air Vehicle also operates at transient and deployed locations.

Operational Bases:

1. Joint Base Elmendorf-Richardson, Alaska
2. Nellis AFB, Nevada
3. Tyndall AFB, Florida
4. Joint Base Langley-Eustis, Virginia
5. Joint Base Pearl Harbor-Hickam, Hawaii

Support locations:

1. Edwards AFB, California (test force)
2. Hill AFB, Utah (depot)
3. Warner Robins, Georgia (depot)
4. Sheppard AFB, Texas (maintenance training)

5. Tinker AFB, Oklahoma (depot)

Working Days

The Contractor shall perform the services required under this contract during the following normal hours of operations. The Contractor is responsible for designating work hours for their employees but at a minimum shall be available as required by the Government according to the area assigned. This may vary depending on location, project, or event.

The Contractor shall perform services required under this contract to support production work schedules. Specific work schedules may be defined in each task order.

Recognized Holidays. The Contractor is not required to provide service on the following days: New Year's Day, Martin Luther King Day, Presidents Day, Memorial Day, Independence Day, Labor Day, Columbus Day, Veterans Days, Thanksgiving Day and Christmas Day.

If the holiday falls on Saturday, it is observed on Friday. If the holiday falls on a Sunday, it is observed on Monday. In the event that the Contractor is prevented from performance as the result of an Executive Order or an Administrative leave determination that applies to the using activity, such time may not be charged to the contract.

Task orders or delivery orders will be placed to authorize work under this basic contract which will be completed in accordance with (IAW) Federal Acquisition Regulation (FAR) 16.505 "ordering". Each order will include its own unique PWS to define specific requirements of the order and its own period of performance and/or delivery schedule.

Proposal Submittals

As requested by a Government Contracting Officer, the Contractor may be directed to submit a proposal in response to an order Request for Proposal (RFP), Contract Change Request (CCP), Engineering Change Request (ECP), or for other Government requirements within scope of this contract and its orders. At the time of RFP, the Contracting Officer will provide the Contractor with clear and concise proposal instructions, including a suspense date for proposal submission, Government requirement details, applicable contract line items, terms and conditions, proposal response date, and allow ability of proposal preparation costs. In the event the Contractor anticipates a proposal submittal will not meet the suspense date for proposal submission, the Contractor shall immediately notify the Contracting Officer, in writing.

If proposal submittals are delivered in an electronic format, the Contractor shall clearly identify the list of applicable electronic file names contained in the proposal submittal. When proposal modifications are made, the Contractor shall include a summary of proposal changes to clearly state the modification made and specific location within the proposal which the modification can be found.

In response to RFPs, the Contractor shall prepare and submit certified cost or pricing data, as applicable, and supporting attachments in accordance with Table 15-2 of FAR 15.408. Further, the Contractor shall (1) utilize the DFARS 252.215-7009, Proposal Adequacy Checklist (PAC), in pre-submission proposal quality reviews, and (2) furnish the completed checklist as part of

their proposal submission. The responsibility for providing a well-prepared and fully supported proposals lies solely with the Contractor. The basis and rationale for all proposed costs shall be provided as part of the proposal so that the Contracting Officer has the information necessary to evaluate the reasonableness of the proposed price.

Non-compliances with the DFARS Proposal Adequacy Checklist and the additional requirements of the RFP and this PWS will require immediate correction. Completion of the checklist does not relieve the Contractor from the responsibility to comply with all applicable regulations and any special requirements of the RFP.

The Contractor is advised that the Contracting Officer may find costs associated with revision/rework of inadequate cost proposals unreasonable, and will consider the nature and extent of any proposal inadequacies when assessing/negotiating profit.

Undefinitized Actions

When work is authorized via an Undefinitized Contractual Action (UCA) or an Unpriced Change Order (UCO) the prime Contractor, including business partners that negotiate directly with the Government in conjunction with the prime Contractor, shall not invoice for any incurred prime Contractor/business partner direct proposal preparation costs until the definitization modification (Mod) is awarded. Proposal preparation costs may still be considered allowable.

Negotiated proposal preparation costs may be invoiced after the award of the definitization modification.

Additionally, while operating under a UCA/UCO the prime Contractor/business partner shall not invoice for direct fee/profit.

3.0 Applicable Documents

Documents listed in Appendix D form a part of this PWS and any applicable task or delivery order, to the extent specified herein or the applicable order. In the event of a conflict between any of these documents and this PWS, the PWS takes precedence.

4.0 Core Requirements

4.1.1 Program Management Support

Program Management support establishes the responsibilities for the PSI Contractor, which include the facilitation of technical integration, business planning, program management, program integration, and customer support across and among the Functional Teams. This function also includes requirements related to contract development and management. Program Management administrative activities and process efforts to support the performance requirements will conclude with the completion of the period of performance.

4.1.2 Financial Management

The contractor shall provide Financial and Cost data as required and defined in each individual Task Order/Delivery Order.

F-22 Sustainment Integrated Master Schedule (IMS): The Contractor shall provide IMS as required and defined in each individual Task Order/Delivery Order.

4.2 Operations Support

Operations Support for sustainment consists of the operation and maintenance of the various systems used to support the F-22 Air Vehicle. The individual task order PWS will describe the detailed activities and performance expectations that support the Mission Support System (MSS) and MSS Administration, including detailed mission planning, required supporting the flying hour profile. Operations support activities and process efforts to support the performance requirements will conclude with the completion of the Period of Performance (PoP).

4.3 Mission Support System Field Support

At operational bases the contractor shall provide qualified MSS Mission Data Engineers with Weapons Officer-level mission planning expertise to operate and maintain MSS hardware, software, and mission data configurations with emphasis on mission data sensor scenarios for applicable F-22 operational, pilot training, and test and evaluation sites in support of pre-mission and post-mission operations.

4.4 Contractor Manpower Reporting Application (CMRA)

The Contractor shall report all Contractor labor hours (including sub-contractor labor hours) required for performance of services provided under this contract for the maintenance services via a secure data collection site. The Contractor is required to completely fill in all required data fields in the Enterprise-wide Contractor Manpower Reporting Application (eCMRA) at <http://www.ecmra.mil>.

- 4.4.1 Reporting inputs will be for the labor executed during the period of performance for each Government fiscal year (FY), which runs 1 October through 30 September. While inputs may be reported any time during the FY, all data shall be reported no later than 31 October of each calendar year. Contractors may direct questions to the eCMRA Help Desk.
- 4.4.2 Uses and Safeguarding of Information: Information from the secure web site is considered to be proprietary in nature when the contract number and Contractor identity are associated with the direct labor hours and direct labor dollars. At no time will any data be released to the public with the Contractor name and contract number associated with the data.
- 4.4.3 User Manuals: Data for Air Force (AF) service requirements must be input at the AF eCMRA link. However, user manuals for Government personnel and Contractors are available at the Army eCMRA link at <http://www.ecmra.mil>.

4.5 Counterfeit Parts Prevention

A counterfeit part is defined as a copy or substitute of a part without the legal right or authority to do so, or one whose material, performance, or characteristics are knowingly misrepresented by a supplier in the supply chain. Malicious logic is defined as a program implemented in hardware, firmware or software whose purpose is to perform some unauthorized or harmful action, e.g. logic bomb, Trojan horse, virus, worm, etc.

4.5.1 The contractor shall implement a Counterfeit Parts Prevention Program Plan (CPPP) based on the CPPP developed and or used in the implementation of the FASTeR contract. Revisions to this plan will be made as applicable by the contractor.

4.5.2 The contractor shall use SAE AS5553, "Counterfeit Electronic Parts; Avoidance, Detection, Mitigation, and Disposition" as a guide in maintaining its CPPP.

4.5.2.1 As part of the CPPP, the contractor shall provide upon customer request certificates of conformance (CoC) and acquisition traceability for the Original Component Manufacturer (OCM) and distributors (franchised and independent) in the supply chain. A CoC is defined as a document certified by a competent authority that the supplied good or services meet the required specification. This document is also called a certificate of compliance or a CoC.

4.5.2.2 Manufacturer's CoCs will include the date, contractor's name that furnished the supplies or services called for by Contract No. ___ via ___ [Carrier] on ___ [identify the bill of lading or shipping document] in accordance with all applicable requirements. They will further certify that the supplies or services are of the quality specified and conform in all respects with the contract requirements, including specifications, drawings, preservation, packaging, packing, marking requirements, and physical item identification (part number), and are in the quantity shown on this or on the attached acceptance document." Any additional information needed can be separately requested and provided via separate contracting action.

4.5.2.3 CoCs shall be archived for a minimum of three (3) years after the completion of the purchase order with the prime contractor.

4.5.2.4 The contractor shall alert the program office regarding any counterfeit/compromised parts discovered no later than thirty (30) calendar days after the date of discovery.

4.6 Parts Procurement

All parts shall be procured using the Contractor's approved Purchasing System from a properly authorized source consisting of:

- Original Equipment Manufacturer (OEM)
- Original Component Manufacturer (OCM)
- After-Market Manufacturer that has obtained the data rights to the requirement being acquired
- Franchised OEM or OCM distributor.

- 4.6.1 If traceability is not obtainable, written notice shall be provided to the Supplier Quality Engineer and Buyer prior to delivery with records of evidentiary tests and inspections performed and conformance of the product to specified acceptance criteria that ensures verification activities taken to assure authenticity. Written notice is not required for raw material and standard hardware purchased from independent distributors or brokers, but products must be able to provide commodity level traceability to the Original Manufacturer.
- 4.6.2 Government Industry Data Exchange Program (GIDEP) Participation
Sellers eligible for utilization of the GIDEP shall utilize the GIDEP process to alert the industry of encountered counterfeit parts.

5.0 Field Support

Field Support is comprised of in-plant contractor operational support required to provide technical support to operational units to include operations, management functions, processes, planning, and interface requirements necessary for the continued operations of the F-22 Air Vehicle. Base-level contractor support is provided to enhance the operational unit's overall mission success.

6.0 Integrated Maintenance Information System (IMIS)

IMIS is an integrated, distributed task and decision support system for overall F-22 maintenance. Successful IMIS sustainment ensures that all related hardware and software is functional, capable, and fully supported within the USAF enterprise. IMIS performance requirements are captured in the Performance Requirements Document (PRD), Document Number 5PPCR001, for the IMIS of the F-22 Air Vehicle. Based on mutual agreement the PRD will require updates based upon system changes and future enhancements.

7.0 Technical Order Data (TOD)

TOD sustainment support consists of the management and maintenance of the F-22 base level maintenance TOD and production F-22 flight series TOD. It includes the Flight Technical Order Data (FTOD) electronic checklist to support the fielded F-22 aircraft. The detailed PWS submitted with the TOD task order will provide a description of activities and performance expectations supporting the requirement for the Contractor to ensure changes to page-based, Flight and Maintenance Interactive Electronic Technical Manual (IETM) TOD comply with standard AF turnaround timelines directed in TO 00-5 series TOs. The Contractor shall manage and distribute fielded depot repair Technical Manual Work Instructions (TMWIs) in accordance with current Depot Partnering procedures. Activities and process efforts to support TOD product development, management and control will conclude at the end of the PoP. Efforts associated with the incorporation or disposition will not conclude at the end of an execution year PoP. However, costs incurred with the activities and processes associated with the TOD incorporation or disposition will be charged to the execution year in which they are incurred--not

to the execution year of the TORB approval. For example, if a TO Change receives Technical Order Review Board (TORB) approval in CY18, costs incurred with the incorporation or disposition up to 31 Dec 18 will be charged to a specific order and CLIN.

8.0 Supply Chain Management

F-22 supply chain services are accomplished by initiating repair orders (reparable generations), spares replenishment orders, Target Stock Level (TSL) pushes, initial deployment kit deliveries, and all associated actions, supporting logistics reassignments including all applicable data and cataloguing actions. This includes the submittal of data/action requests, initiating logistics reassignments, as well as managing tooling inventory and retrievals at Sierra Army Depot (SIAD) and Diminishing Manufacturing Sources Material Shortages (DMSMS) management in support of the TNMCS rate, as a performance metric. This also includes item management, Packaging, Handling, Storage, and Transportation (PHS&T), Special Tooling and Special Test Equipment (ST/STE), and Support Material Capability.

8.1 Configuration-Compliant Parts

Parts and equipment purchased under this contract will conform to the approved design specification and drawings for the applicable part or equipment. Any changes from this previously approved configuration will be documented and approved in accordance with the F-22 Configuration Management Plan, 5PC00013. Repair of parts or equipment must return the part or equipment to within Repair Technical Order Data (TOD) limits.

8.2 Support Material Capability Assets

(a) For reference purposes only, the Government is responsible for providing the common replenishment spares and items listed below:

1. Common Support Equipment Replenishment Spares
2. Air Vehicle Replenishment Common Spares
3. Training Expendables (even if sole source to the Contractor)
4. Common Bulk Items List (CBIL) Consumables Replenishment Lay-In (Rags, speedy dry, string, grease, alcohol, and non-part numbered maintenance material like sheet stock)
5. Personal Equipment Replenishment Spares

(b) Items procured by the Contractor in fulfillment of this requirement are Government Property in accordance with FAR 52.245-1. Notwithstanding, the Contractor is authorized, without any requirement for additional approval to:

1. Replace, repair, or modify Government Property used in the performance of this contract.
2. Move/relocate material managed under this contract.

3. Borrow assets required in the performance of this contract from other related F-22 contracts on an as required basis. However, nothing in this clause relieves the Contractor of obligations under this or any other contract unless mutually agreed by the parties. Movement of assets between contracts will be accomplished on a loan-payback or other basis, in accordance with the Contractor's Cost Accounting Standard Board Disclosure Statement (CASB). It is an objective of the process to maintain cost neutrality between all contracts involved.
 4. Replace Government Property that is reported as lost, damaged, or destroyed, immediately upon identification of such or recommended alternative action. The cost associated with such replacement will be considered allowable and allocable to the extent it would have otherwise been allowable and allocable under the contract.
 5. Flow down this clause in whole or in part to any Subcontractor at any tier meeting the criteria described in paragraph (e) of this clause.
- (c) All property under this clause will be accounted for under the Contractor's or Subcontractor's approved property system.
- (d) This clause is in effect as long as the Contractor and any Subcontractor whose contract contains a similar clause has a Government approved property system. Without an approved Government property system, authorization under this clause will be handled on a on a case-by-case basis and subject to the Contracting Officer's approval.
- (e) The material acquired in support of this contract, and this contract's CLINs requirements will remain in Contractor control for exclusive use in providing of a Support Material Capability. However, the Government retains right to title of all material acquired to execute this contract.
- (f) Upon completion of F-22 Support Material Capability activities, as contemplated by this contract, all F-22 assets, acquired by the Contractor in anticipation of full F-22 Air Vehicle Sustainment, shall be rolled over to and made available on any subsequent contract issued by the Government requiring F-22 Material Support Capability. However, the Government retains right to title of all material acquired to execute this contract.
- (g) In the event no subsequent F-22 contract requiring a Material Support Capability is issued, all residual F-22 assets, acquired during performance of this contract shall remain Government Property and disposition of these assets shall be in accordance with the Government Property Clause at 52.245-1, Section I hereof.

8.3 Unique Identification

As specified and funded by the individual task orders, the Contractor shall perform Item Unique Identification (IUID) activities in accordance with MIL-STD-130N with Change 1, DoDI 8320.04, DFARS clause 252.211.7003. The Contractor shall record IUID marked items in the Department of Defense IUID Registry IAW DFARS clause 252.211-7003.

8.4 Authorization to Use other than New Material

(a) Support services capability is performance-based support of the flying hour program (e.g. field service representatives, heavy maintenance capability, support engineering, etc.). Support material capability provides spares as required to meet the flying hour program in a manner that is consistent with specific performance based results. In order to effectively implement this concept, the following authorization to use other than new material shall pertain to all F-22 contracts.

(b) Authorization to use other than new material: In order to implement the support material capability concept in a manner that ensures maximum flexibility and efficiency, it may become necessary to utilize "other than new" materials in the performance of one or more contracts in the F-22 program. "Other than new" material is defined under the clauses at FAR 52.210-5, New Material (APR 1984) and FAR 52.210-7, Used or Reconditioned Material, Residual Inventory, and Former Government Surplus Property (APR 1984). Material is further defined under the clause at FAR 52.211-5, Material Requirements (AUG 2000). These clauses (and any substantially similar clauses in later contracts) require the use of new materials in the performance of the contract requirements, unless the use of "other than new" material is authorized in writing by the Contracting Officer. Subject to the conditions referenced in paragraph (c) below, the Contracting Officer hereby authorizes the use of "other than new" materials in the performance of this contract. To the extent allowed by paragraph (c) below, this authorization includes the use of material previously available to or accepted by the Government and returned to the Contractor as Government Furnished Property.

(c) Conditions on the authorization to use other than new material: The above authorization to use "other than new" material in the performance of this contract is subject to the conditions listed below. Any potential use of "other than new" material that does not meet all the conditions listed below shall be evaluated on a case by case basis by the Contracting Officer in accordance with the applicable clause(s) referred to in paragraph (b) above.

- 1) Suitability for the intended use: The "other than new" material to be used in the performance of this contract must be suitable with respect to form, fit, function, and interface, and may not create limitations to the weapon system performance, supportability, or effectiveness in performance of the assigned mission.
- 2) Condition: The "other than new" material to be used in the performance of this contract must be in a serviceable condition without creating additional operational limitations. All Time Change Items (TCIs) to be used as "other than new material" shall have at least 40% or not less than 400 flight hours of useful life remaining, whichever is higher. Parts or components identified as "bad actors" (as defined by Chapter 8, T.O. 00-35D-54) shall not be used.
- 3) Safety of flight: The "other than new" material to be used in the performance of this contract must not create a safety of flight risk.
- 4) Proper configuration: The "other than new" material to be used in the performance of this contract must conform to the authorized configuration of the end item for which such material is to be used. If a preferred sparing activity applies, the "other than

new" material must conform to the preferred configuration.

(d) Asset Management Prioritization: The Contractor shall make the day to day decisions and authorize the movement of assets in accordance with the Uniform Material Movement and Issue Priority System (UMMIPS) defined by DoDM 4140.01. When the minimum requirements of the production program conflict with those of the field support or test programs (or vice versa), the Contractor shall notify the Contracting Officer prior to utilizing an asset otherwise needed to fulfill the minimum requirements of the affected program. Deviations from or exceptions to the above priority requirements shall require written direction from the Contracting Officer. Any equitable adjustments to the contract(s) price and/or schedule (if appropriate) shall be executed in accordance with the "Changes" clause of this contract. This clause in no way relieves the Contractor of any responsibilities or obligations under this or any other contract in the F-22 program.

9.0 Training Systems

Training Systems includes support for all training devices at each base. It includes the management of training material and labor, supply support, asset maintenance, problem analysis, field repair, upkeep of technical libraries, and technology refresh of training assets as required. The specific task order PWS will describe the detailed activities and performance expectations that support the requirement for the Contractor to execute Training System Management, Training Support, Training System Enhancements, and Distributed Mission Operations (DMO) in accordance with the period of performance specified in each order and applicable CLIN.

10.0 Fleet Management

The Fleet Management activities are defined as a proactive management of the F-22 fleet requirements to optimize safety, supportability, war fighting capability, and fleet availability. The specific task order PWS describe the activities that support the requirement for the Contractor to execute the management, planning and oversight of modification and heavy maintenance actions, manage Contract Field Teams (CFT) and 107 Support IAW TO 00-25-107, develop an Initial Inspection Plan (IIP), develop inspection/modification Time Compliance Technical Orders (TCTO), safety TCTOs, and TODCR-initiated TCTO supplements that meet requirements. This also includes timelines as directed in TO 00-5-15; integrate Analytical Condition Inspection (ACI) activities into planned depot work and whose completion shall be defined as the completion of the authorized period of performance.

11.0 Depot Installations and Throughput

Depot throughput capability is defined as the administrative and technical support required to maintain the capability of the Depot facilities to remain open and functional. The scope of work is based off of the current Depot Flow Plan (DFP). Throughput capability does not include any aircraft repair, maintenance, or modification.

Depot Installation is defined as the labor and consumable material required to perform aircraft modification, maintenance, and repairs at the depot facilities.

In conjunction with the first DFP submission of each calendar year, the Contractor shall provide hour estimates developed from the execution of integrated modification work and broken out for each major modification effort (RAMMP; SRPII; Reversion, Increment 3.2A/B, etc.). The hour forecast shall be synchronized to the DFP and based on the plan's execution schedule within the fiscal year as well as aligned with the strategic five (5) year/long-range projection.

The Contractor will fabricate, procure, stock, issue and replenish non-kitted materials required to complete modifications at the depots. These items include both common and peculiar assets such as bench stock, HAZMAT, and boot material.

11.1 Single Install Depot and Contractor Field Team Execution

The aircraft modifications to be accomplished under the Single Install shall be defined as an integrated mod package comprised of, but not limited to, a combination of RAMMP, Structural Retrofit Program (SRP) II, Increment 3.1, Common Configuration TCTOs planned for incorporation, and Signature Assessment System (SAS) reduction. Each aircraft integrated mod package has been planned to eliminate any duplications of effort and provide the most efficient plan of execution for all TCTOs to be incorporated during the mod span. The Single Install scope of work will include aircraft installation labor of the integrated mod package and SAS reduction. Any TCTOs applicable to this CLIN that are authorized for incorporation post contract award that are not identified in the planned mod package and cannot be performed within the authorized funding and span will require separate contract action.

The Contractor shall provide Contractor Field Team (CFT) lead & quality oversight in support of the CFT operations scope as defined in the CFT task order.

12.0 Reliability and Maintainability Maturation Program (RAMMP)

12.1 RAMMP Process

RAMMP projects are focused on improving the reliability, availability, affordability, and maintainability of the F-22 fleet. RAMMP is intended to develop, fix, engineer, and deliver significant reliability and maintainability improvements for the F-22 weapon system through identification, development, fixes, engineering improvements and retrofit into the fleet.

The contractor shall execute implementation efforts for RAMMP as described herein. The contractor shall provide management and integration of all aspects of the RAMMP Program to retrofit aircraft to enhance fleet capability and improve fleet reliability, availability and maintainability, and for the implementation of the hardware solutions. The contractor shall execute selected solutions to product improvements according to DoDI 5000.2, Section 3.2, Operation of the Defense Acquisition System. These activities include RAMMP Administration, RAMMP Candidate Development and Program Management. RAMMP Retrofit Projects will be authorized and issued under individual or combined task/delivery orders.

13.0 Sustaining Engineering

Sustaining Engineering includes all engineering and management activities related to trend and root cause analysis, health of fleet analysis, integrity programs, systems safety, configuration management, field issue resolution/implementation, Low Observable (LO), and overall sustainment engineering management.

Data Management/Configuration Management

Configuration management is defined as a process for establishing and maintaining consistency of a product's performance, functional and physical attributes with its requirements, design and operational information throughout its life. The Contractor shall control the system products, processes and related documentation. The configuration management effort includes identifying, documenting and verifying the functional and physical characteristics of an item; recording the configuration of an item; and controlling changes to an item and its documentation. It shall provide a complete audit trail of decisions and design modifications. The F-22 Air Vehicle configuration baselines shall be defined and controlled in accordance with the requirements provided herein. The Contractor shall continue to maintain configuration control for the F-22 Air Vehicle throughout the performance of this contract. The processes used to implement baseline configuration control shall be documented under the F-22 Configuration Management Plan (CMP).

Deferred Delivery of Technical Data

The requirement for TDPs under the FASTeR contract has been transferred to this contract. The Government may choose to order FASTeR TDPs under this contract in accordance with DFARS 252.227-7026 "Deferred Delivery of Technical Data or Computer Software".

(a) The Contractor shall ensure the Subcontractors remain responsible, through their Subcontracts, to maintain the currency of their drawings and associated lists, provide access to the F-22 Team/Government personnel upon request, and deliver a complete Technical Data Package should the Government order delivery of TDPs under this contract in accordance with paragraph (a) above

(b) The Government and the Contractor agree that the Government's rights in any EMD data described above which is called for delivery under this contract shall be subject to the data rights clauses of this contract (including DFARS 252.227-7013 Rights in Technical Data - Noncommercial Items). Any unique data newly created under this contract shall be subject to the data rights clauses in this contract.

Systems Security Engineering (SSE) and Crypto Support

Support in this areas include development, analysis, test and documentation efforts to support fleet operations sustainment and modernization efforts associated with the F-22 program that are not included under other contracts that may be in place. Activities like Cyber related testing support, review and evaluation of test results, identification of solutions and recommendations for implementation are examples of task topics covered under the SSE support umbrella. Similarly, activities supporting new types of Key Authorizations, Cryptographic related software update support, approvals to test/operate, efforts involving the COMSEC Offices, End

Cryptographic Units, Mission Planning Systems and all the items and components of the F-22 Keying Architecture, are examples of task topics covered under the Crypto support umbrella.

Airworthiness

The contractor shall provide support for airworthiness certification of sustainment engineering modifications in accordance with ACPD 62-2, AFI62-601 (USAF Airworthiness), associated Airworthiness Bulletins, and the F-22 Airworthiness Certification Management Plan, 5PPYA181.

Risk Management

The contractor shall identify, track, and monitor/control F-22 aircraft sustainment risks IAW the Risk and Opportunity Management Plan for the F-22 program (document 5PD01160).

14.0 Weapons System Integrity Program (WSIP)

WSIP is the umbrella program consisting of Aircraft Structural Integrity Program (ASIP), Mechanical Systems Integrity Program (MECSIP), and Avionics Integrity Program (AVIP) and in the case of rotating equipment Proposal System Integrity Program (PSIP).

Integrity program support activities include development, analysis, test and documentation efforts to support fleet sustainment and modernization efforts associated with the F-22 program.

15.0 Structural Maintenance and Repair Team (SMART II)

SMART II efforts will create engineering to establish new and/or expand on existing field maintenance structural repair TOD. The Contractor shall develop full life repair data as source data for logistics support analysis (LSA) and TOD based on annual program office prioritization of field maintenance issues identified via the AR process. Consideration and prioritization will also be given to TODCRs with disposition. Evaluation by the SMART II team will be required for disposition.

16.0 Support Equipment

The Support Equipment (SE) function consists of the planning, management and control of F-22 Peculiar Support Equipment (PSE) including locally manufactured support equipment and the integration and validation of GFE equipment to support each F-22 operational, test, maintenance and training site. These activities include inventory management and control typical of an inventory control point.

17.0 Depot Partnering

Depot Activation is the management and integration of Contractor support to Warner Robins,

Oklahoma City and Ogden ALCs on all ILS elements necessary for the depots to execute partnered repairs as described in Partnering Agreement (PA) and each Implementation Agreement (IA).

The Contractor performs recurring services in support of depot partnered workloads to ensure those workloads meet the performance requirements identified in the IA's in support of the required Total Non-Mission Capability for Supply (TNMCS) rate throughout the period of performance.

Partnering, Process, Procedures, and Reporting – The Contractor shall establish, implement, and support all processes and procedures associated with the public/private partnering effort using PBL principles. These processes and procedures shall include:

- Development and maintenance of the F-22 PA and Activation IA Agreements.
- Depot partnering workload analysis.
- Depot Activation Master Plan (DAMP) and “Living” activation schedules and milestones.
- US Code (USC) Title 10 Core Status and 50/50 reporting.
- Partnered repair operating processes and procedures necessary to accomplish repairs where existing Contractor Logistics Support (CLS) or organic processes and procedures no longer apply or need modification to account for partnering with the Government depots.
- Processes to establish the Information Technology (IT) connections, data/information feeds between Contractor and Government depot systems needed for management of current activations as required.
- Provide analysis and information to assist the F-22 System Program Office (SPO) in making cost effective decisions related to maintaining the fielded weapon system.

18.0 Analytical Condition Inspection (ACI) Program

The ACI program is conducted per AFMCI 21-102 and intended to uncover potential issues that would not be found through normal maintenance inspection programs. ACI services involve the development of an annual inspection plan, the associated work instructions, and the capability to inspect representative aircraft to locate and identify potential limited life parts, deteriorating conditions, fatigue, overstress, corrosion, and other potential issues in the aircraft structure or systems. The ACI Program Plan (5PC01464) contains information on annually scheduled ACI inspections, number of aircraft requested, candidate aircraft, ACI inspections accomplished, and findings. The specific task order PWS will describe the engineering and Sustainment-based inspection requirements, selection of candidate aircraft and inspection locations within the period of performance.

19.0 Special Studies

When requested by the Government via PCOL, the Contractor shall produce Quick Turn Estimates in support of emerging issues on the F-22 platform. A request to perform a QTE will include separate funding.

20.0 Discrete Travel

All discrete travel requirements shall be bid to a standalone CLIN. Travel may also be included within each Task Order/Delivery Order that requires travel.

21.0 Unique Agreements

21.1 Associate Contractor Agreements

The Contractor shall enter into Associate Contractor Agreements (ACA) for any portion of the contract requiring joint participation in the accomplishment of the Government's requirement, based upon mutual agreement. The agreements shall include the basis for sharing information, data, technical knowledge, expertise, and/or resources essential to the integration of the air vehicle and engines (insert name of the program or project) which shall ensure the greatest degree of cooperation for the development of the program to meet the terms of the contract.

(a) ACAs shall include the following general information:

1. Identify the associate Contractors and their relationships.
2. Identify the program involved and the relevant Government contracts of the associate Contractors.
3. Describe the associate Contractor interfaces by general subject matter.
4. Specify the categories of information to be exchanged or support to be provided.
5. Include the expiration date (or event) of the ACA.
6. Identify potential conflicts between relevant Government contracts and the ACA; include agreements on protection of proprietary data and restrictions on employees.

(b) A copy of such agreement shall be provided to the Contracting Officer for review before execution of the document by the cooperating Contractors.

(c) The Contractor is not relieved of any contract requirements or entitled to any adjustments to the contract terms because of a failure to resolve a disagreement with an associate Contractor.

(d) Liability for the improper disclosure of any proprietary data contained in or referenced by any agreement shall rest with the parties to the agreement, and not the Government.

21.2 F-22 Partnering with Air Logistics Complexes (ALCs)

- a) The Contractor shall implement partnerships with the Air Logistics Complexes (ALCs) and place work required under this contract with ALCs under Implementation Agreements (IA) pursuant to such Partnership Agreement (PA). The Contractor is authorized to enter into these Public Private Partnering agreements with ALCs pursuant to appropriate statutory authority such as 10 U.S.C. Sections 2208(j), 2270, 2563, 2474, 2770, 2667, 2462 and FAR Part 45 and the Partnering Agreement PA#AF-LMA-05-002 Rev2, dated 27 June 2007, as may be amended from time to time. Such IAs, if awarded, are essential to perform this contract and the Contractor's ability to perform on this contract is directly related to the ALC performance of such IAs.
- b) Notwithstanding any contractual requirement of this contract, including, but not limited to the "Excusable Delays" and "Termination/Default" clauses, the Government shall not hold the Contractor responsible, directly or indirectly, for the delay, non-performance, or other non-compliance of any work required under this contract to the extent that such delay, non-performance, or non-compliance is attributable to the action or inaction of a Government agency performing an IA hereunder.
 1. Such delay, non-performance, or non-compliance by the Government in performing such IA shall be considered to be excusable delay or non-compliance for which an equitable adjustment in the performance period and/or cost/price of this contract shall be provided by the Government to the Contractor if so requested by the Contractor, and such delay, non-performance, or non-compliance shall not be used by the Government, in whole or in part, as a basis for termination for default, or a price, fee, or profit reduction, under this contract, or as a basis for the withholding of progress payments if otherwise authorized, or the assessment of liquidated damages if otherwise authorized, by the Government under this contract.
 2. Such delay, non-performance, or non-compliance by the Government in its capacity as a performer of services under an IA shall also not be used, in whole or in part, by the Government as a basis for:
 - i. an adverse rating of the Contractor under the Contractor Performance Assessment Review System (CPARS) for its performance under this contract;
 - ii. debarring or suspending the Contractor from doing business with the Government or proposing the Contractor for debarment or suspension; and/or
 - iii. Withdrawing Government approval of the Contractor's Purchasing System.
 3. The Contractor is not excused from continuously exercising good faith efforts to effectively manage its Government IA performers and to exercise good faith efforts, if necessary, to replace the affected services. Such efforts include reasonable corrective actions to mitigate the effects of the Government IA performer's noncompliance on prime contract schedule and/or prices.
- c) No FAR requirement, its supplemental requirements, or Presidential Executive Order applying to the conduct of acquisition from non-Federal providers, which is specifically included in this contract, shall apply to any IAs issued or other contractual vehicle that is

placed by the Contractor with a Government agency providing a supply or service under this contract, except as may be expressly included by mutual consent in the agreement between them. The Government recognizes that the Truth in Negotiations Act (TINA) (10 U.S.C. 2306a, as amended), and its implementing regulations, do not apply to any Government activity performing as a provider of services and/or services under this prime contract. Accordingly, the Government agrees that the portion of the Contractor's contract price, to include the price of any modification to this contract, that consists of costs relating to work performed or to be performed by such Government provider, will not be supported by the submission of certified cost or pricing data, and further, that the absence of such certified data shall not form the basis, directly or indirectly, for a claim by the Government of defective pricing against the Contractor. Additionally, the Contracting Officer (CO) shall not consider the "cash advances" required by the terms of the IA to be Advanced Payments under FAR Part 32.4. FAR Part 32.4 will continue to apply with respect to any Advanced Payments by the Government to the Contractor under this contract.

- d) Any disagreement with the CO's final determination regarding an equitable adjustment under paragraph 2 above will be subject to the "Disputes" clause of this contract.
- e) The Government assumes the risk of, and shall be responsible for, any loss or destruction of, or damage to any Government Furnished Property (GFP) or Contractor Acquired Property (CAP) provided by the Contractor to an ALC under an IA including but not limited to, any amounts the Contractor might otherwise be responsible for under DFARS 252.228-7001 Ground and Flight Risk, DFARS 252.228-7002 Aircraft Flight Risk, or other Government property clause of this contract. In the event the Contractor provides the ALCs with Government property, or CAP accountable to the F-22 contracts and such property is required for continued performance of these contract(s), and is either lost, damaged or destroyed, by the ALC, the Contractor shall be entitled to an equitable adjustment under the terms and conditions of this contract.

22.0 Services Summary

Performance Objective	PWS Paragraph -Basic	Performance Threshold
See applicable task order PWS		

Individual task orders may include services summary requirements which will be identified in this section at the order level PWS.

23.0 Contract Data Requirements List

23.1 Contract Data Requirements List (CDRLs)

CDRL Pick List

DATA ITEM	TITLE	PWS REFERENCE	FREQUENCY	Data Item Deliverable (DID)
A001	Engineering Change Proposal (ECP) Configuration Management	At the Order Level	As Required	DI-CMAN-80639C
A002	Cost Data Summary Report (DD Form 1921)	At the Order Level	As Required	DI-FNCL-81565C
A003	Functional Cost-Hour & Progress Curve Report (DD Form 1921-5)	At the Order Level	As Required	DI-FNCL-81992
A004	Computer Software Product End Items	At the Order Level	As Required	DI-MCCR-80700
A005	Tool Requirement Forecast	At the Order Level	Semi-Annually	DI-MISC-80508B
A006	Data Accession List (DAL)	At the Order Level	As Required	DI-MGMT-81453
A007	Integrated Program Management Report (IPMR)	At the Order Level	Monthly	DI-MGMT-81861A
A008	Contract Funds Status Report (CFSR)	At the Order Level	Quarterly	DI-MGMT-81468
A009	Technical Order Data	At the Order Level	As Required	TM-86-01
A010	Product Drawings & Associated Lists Lists	At the Order Level	As Required	DI-DRPR-81000E
A011	Special Inspection Equipment Drawings & Associated Lists	At the Order Level	As Required	DI-DRPR-81004
A012	Depot Maintenance Workload (50/50) Report	At the Order Level	As Required	DI-MGMT-81749B
A013	50/50 Reporting Requirements	At the Order Level	Annually	DI-MGMT-81749/B
A014	Training System Availability	At the Order Level	Monthly	DI-MISC-80508B
A015	Software Resource Data Reporting (SRDR): Development and Maintenance Reports and Data Dictionary	At the Order Level	As Required	DI-MGMT-82035
A016	Technical Report-Study/Services, Depot Partnering Assessment	At the Order Level	As Required	DI-MISC-80508B
A017	Contract Work Breakdown Structure (CWBS)	At the Order Level	One Report	DI-MGMT-81334D
A018	System Engineering Management Plan (SEMP)	At the Order Level	Bi-Annually	DI-SESS-81785A
A019	Request for Variance	At the Order Level	As Required	DI-SESS-80640D

A020	Contract Change Proposals	At the Order Level	As Required	DI-ADMN-81401B
A021	Analytical Condition Inspection, (ACI) Program	At the Order Level	Annually	DI-MISC-80508B
A022	Aircraft Structural Integrity Program (ASIP) Master Plan	At the Order Level	Annually	DI-SESS-81956
A023	Technical Report-Study/Services	At the Order Level	As Required	DI-MISC-80508B
A024	Critical Safety Item Study (SCF)(CSI)(SSI)	At the Order Level	As Required	DI-MISC-80508B
A025	Aviation Critical Safety Items (ACSI)	At the Order Level	As Required	DI-MISC-80508B
A026	Technical Report-Study/Services, Depot Flow Plan	At the Order Level	Semi-Annually	DI-MISC-80508B
A027	Automated Computer Program Identification Number (ACPIN) Data and Control Record	At the Order Level	As Required	DI-MISC-81454C
A028	System/Subsystem Specification (SSS)	At the Order Level	As Required	DI-IPSC-81431A
A029	Technical Report-Study/Services, Depot Projects Activation Plan	At the Order Level	As Required	DI-MISC-80508B
A030	System Safety Hazard Analysis Report	At the Order Level	As Required	DI-SAFT-80101C
A031	Physical Inventory Control Program (PICP)	At the Order Level	As Required	DI-MGMT-80441A
A032	Special Studies	At the Order Level	As Required	DI-MISC-80508B
A033	Counterfeit Prevention Plan	At the Order Level	One Report	DI-MISC-81832
A034	Configuration Management Plan	At the Order Level	One Report	DI-SESS-80858C
A035	F-22 Mishap Investigation Guide	At the Order Level	As Required	DI-MISC-80508B
A036	Software Product Specification (SPS)	At the Order Level	As Required	DI-IPSC-81441A
A037	IMIS Status Report	At the Order Level	Monthly	DI-MGMT-80368A
A038	Logistics Reassignment Associated Technical and Demand Data	At the Order Level	As Required	DI-MISC-80508B
A039	F-22 System Safety Program Plan	At the Order Level	As Required	DI-SAFT-81626
A040	Quality Assurance Program Plan	At the Order Level	One Report	DI-QCIC-81794
A041	Safety Program Plan	At the Order Level	One Report	DI-MISC-80508B
A042	Special Tooling Drawings & Associated Lists	At the Order Level	As Required	DI-SESS-81008E

A043	ICP Inventory Financial Reporting	At the Order Level	Quarterly	DI-MISC-80508B
A044	Configuration Audit Summary Report & Certification	At the Order Level	As Required	DI-SESS-81022D
A045	Corrosion Prevention and Control Plan	At the Order Level	Annually	DI-MFFP-81403A
A046	Weight and Balance Report for Aircraft	At the Order Level	Annually	DI-MGMT-81501B
A047	Computer Software Product End Items Virtual Air Combat Simulator (VACS) Software Tools	At the Order Level	Deferred Delivery	DI-MCCR-80700
A048	Technical Report-Study/Services ACSI Tracking Report	At the Order Level	Annually	DI-MISC-80508B

24.0 Government Furnished Property (GFP)/Government Furnished Equipment (GFE)/Government Furnished Material (GFM) and Government Furnished Facilities

The Contractor shall be responsible for safeguarding and shall account for all Government property provided for Contractor use. At the close of each business day, Government facilities, property, and materials shall be secured.

Government Performance to Support Performance Metrics - estimated costs, schedule, and performance metrics set forth in this contract are based upon:

- (a) Government performance of O-Level Maintenance;
- (b) Timely and accurate availability of Government-controlled data system information;
- (c) Timely assignment of National Stock Numbers (NSNs) to applicable items;
- (d) Government issuance of Government Furnished Material (GFM) as required for F-22 base activation;
- (e) Operation and maintenance of F-22 aircraft and equipment, (i.e., support equipment) in accordance with United States Air Force Technical Orders;
- (f) Timely processing of receipt and disbursement of Government Furnished Material at base supply;
- (g) Government's decision to reallocate material from base supply to Readiness Spares Package (RSP) kits;
- (h) Reallocation of Spares by the Government based upon the Contractor's request;
- (i) Funding of Spares used as a basis for jointly agreed upon performance metrics;

(j) Collection of data on failures which constitute an Attributable Failure. For the purposes of this clause, an Attributable Failure is failure that occurs while the component is being operated and maintained in accordance with Contractor's and OEM directives. Attributable Failures exclude failures resulting from or caused by external forces including, but not limited to, Foreign Object Damage (FOD), battle damage or battle damage conditions, bird strike, and mishaps directly attributable to Government actions.

1. The Government's responsibilities assumed above are subject to the Excusable Delays clause (FAR 52.249-14) included in Section I (for Cost and T&M items), and all other applicable FAR and FAR Supplement contract clauses (including the "Changes" clauses). Award Fee considerations are addressed in the Award Fee/Performance Plan set forth in Section J, Attachment 2, of this contract.

24.1 Government Owned Facilities

The Contractor and its Subcontractors may use Government Facilities, which are considered GFP for purposes of this contract, pursuant to the following leases, in the performance of this contract:

- (1) AF Plant 4, Ft Worth TX, Lease F33657-97-L-2018
- (2) AF Plant 6, Marietta GA, Lease F33657-97-L-2019
- (3) AF Plant 42, Sites 2, 7, and 8, Palmdale CA, Lease F33657-00-L-2039.

If any change in the availability of leased facilities due to loss, destruction or damage, or any change in the terms of the facilities leases identified in this clause, or any successor lease, causes an increase or decrease in the cost of, or the time required for, performance of any part of the work under this contract, or both, the Contractor or the Government shall be entitled to an appropriate equitable adjustment under this contract (including, but not limited to the Changes clause, Government Property clause, and Excusable Delay clause).

Changes in rental charges under the leases may be prospectively recovered only by rate changes through the forward pricing rate process, to the extent permitted by other clauses of this contract.

This language does not create rights for either party that are not already stated in this contract and/or the facilities leases, but it is intended to permit an adjustment under this contract as a result of an occurrence under one or more of the facilities leases as stated above.

25.0 Quality Control Plan

Maintain a complete Quality Control Plan to ensure the requirements of this contract are provided as specified.

The Quality Control Plan shall comply with the minimum quality management systems elements specified in the American National Standards Institute (ANSI)/American Standards Organization (ASO)/International Standards Organization (ISO) family of standards.

26.0 Security Requirements

Compliance with applicable security and force protection requirements is mandatory and enforced at each installation.

Processing, storage, and discussion of classified information shall be IAW applicable Contract Security Classification Specification, DD-254. Unclassified, For Official Use Only (FOUO), Controlled Unclassified Information (CUI), and the like shall be protected IAW DOD Information Security Program.

The contractor shall complete all training as required for installation access, classified material access, or other security training IAW respective Installation Security Program.

Contractor employees who require access to classified information in order to complete contracted duties, will require the appropriate investigation to meet eligibility for access to classified Secret or Top Secret information as directed by Air Force, DoD, and OPM Personnel Security policy before being granted access to classified information. The contractor shall complete all forms, questionnaires, and required reporting IAW applicable policy.

Should a security violation occur, the Contractor shall: immediately report to the site location Group Security Manager all available facts related to each instance; take such precautions as the Security Manager may reasonably require for security purposes; take reasonable and prudent action to establish control of the scene, prevent further violation, and to preserve evidence until released by proper authority; and cooperate fully and assist Government personnel as the Government conducts an investigation of the violation. Participation shall last until the investigation is completed.

26.1 Contractor Identification Badges

The contractor shall comply with the applicable version of all current guidance and policy defined below.

Complete and submit to the respective Pass and Registration office a "Request for Identification Credential" (Air Force Materiel Command (AFMC) Form 496 or equivalent) for each employee requiring access to a Government installation or other form as required by respective Installation Security Program.

The Government will provide a complete "Identification Credential" (AFMC Form 387). Ensure all employees properly display and surrender the AFMC Form 387 as directed by the respective Installation Security Program.

Complete an "Unescorted Entry Authorization Certificate" (AF Form 2586) for each employee

requiring entry into controlled or restricted area according to the respective, Installation Security Program.

Complete and submit Security Termination Statement (AF Form 2587) to the Government Security Manager prior to completion of out-processing for every departing Contractor employee or whenever Security Clearance has been terminated.

As required, the Contractor employee shall also obtain a building ID and access card from the appropriate building Security Manager.

When the PoP has ended or the task is considered complete, the Contractor shall have five (5) working days to return all access cards and base identification badges. For other building badges, etc.

The Contractor shall be responsible for prompt return of credentials to the appropriate security manager for any employee who no longer requires access to the work site, and for obtaining required identification for newly assigned personnel. Lost badges shall be reported to the Contractor's site location Group Security Manager within one working day of loss.

26.2 Communications Security

All communications with Department of Defense (DoD) organizations are subject to Communications Security (COMSEC) review.

The DoD authorizes the military departments to conduct COMSEC monitoring and recording of telephone calls originating from, or terminating at, DoD organizations.

The Government advises the Contractor that at any time they place a call to, or receive a call from, a DoD organization, they are subject to COMSEC procedures.

Assume the responsibility for ensuring wide and frequent dissemination of the above information to all employees dealing with official DoD information.

26.3 Operational Security

OPSEC requirements are required in an effort to reduce program vulnerability from successful adversary collection and exploitation of critical information. Contractors who have access to Government facilities or critical information shall have OPSEC training IAW applicable Installation Security Program and the F-22 OPSEC Plan.

26.4 Computer Access/Cyber Security

The Contractor shall meet the same security requirements as Government employees for access to the Air Force network (AFNET), the internet, and any other items necessary to complete the assigned tasks. Complete Government provided Information Assurance Awareness Program (IAAP) training as defined by applicable Installation Security Program prior to accessing Government computer networks. The program manager or equipment custodian for the organization will monitor the accountability of the GFP provided for the Contractor employee's use. The Contractor will follow all cybersecurity guidelines and procedures to

protect information and data on both individual PC's and the network. The Contractor will ensure Personally Identifiable Information is not stored on any network drive or SharePoint site, and if stored on the PC, is encrypted and protected. The Contractor will report any cyber security violations or concerns immediately to the organizations Cyber Security Liaison.

26.4.1 Contractor Access to Government Databases

During and throughout the performance of this contract, the Government will provide, or continue to provide, access to Government databases required by the Contractor to perform the obligations of this contract.

26.5 Contractor Access to Government Facilities

Approval for use of Base recreational facilities – The Contractor employees working under the FASTeR II contract is authorized to use Morale, Welfare and Recreation (MWR) facilities on any base to which they are authorized access to perform work, base commander approval may be needed.

26.6 Special Access Programs (SAP)

Contractors requiring SAP access shall meet and maintain access eligibility standards, mandatory reporting, and comply with procedures and policy as referenced in the contract DD-254.

SAP Indoctrination, debriefing, and annual refresher training should, when possible, be accomplished by the host facility security group.

Host facility security group is responsible for shipping/receiving and receipt of SAP classified material and delivering to intended recipient IAW local, approved procedures. Only SAP classified material in direct support as required by the contract shall be shipped/received. Contractor is responsible for collateral classified and unclassified shipping/receiving and receipt IAW applicable directives.

27.0 Release of Information

Prior to release of any information relating to this contract, not previously cleared or released by the United States Air Force (USAF) or the DoD, the Contractor shall submit release request to AFLCMC/WWU (F-22 Director's Action Group (DAG)), 2725 C Street, Bldg. 553, WPAFB OH 45433-7424 at least 60 days prior to need date. F-22 DAG will facilitate review/approval process with F-22 Subject Matter Experts, F-22 Security, and Front Office Group. F-22 DAG will forward completed submission to 88th Air Base Wing Office of Public Affairs (88 ABW/PAX) WPAFB OH for action. AFLCMC/PAX will send decision for or against approval back to requester. Documents will be converted to Portable Document Format (PDF) or scanned image (i.e., JPEG, TIFF, etc.) before release to the Public Affairs office and for public consumption. Documents shall not be released to the public in native format (i.e., Word, Excel, etc.), where the content can be manipulated after release to reveal document statistics or track history

information. Public release submissions shall be sent via means that prevent the exposure of the content prior to Public Affairs clearance. Electronic submissions will use AMRDEC Safe secure web server; hardcopies, CD-ROM, DVD, or video media shall be sent via mail to F-22 DAG and comply with the following:

- a. Hard copy briefings, developed using Microsoft PowerPoint, or any application with Note pages, must be submitted with briefing printed with Note pages.
- b. All briefings will be submitted with proposed briefing script unless presentation provides sufficient detail to meet intent.
- c. All submissions must be reviewed by submitting location security office; validating submission does not contain classified, critical program information, or critical information. Public release packages must be submitted reflecting this review, SIGNED by the security reviewer.
- d. The Contractor shall flow down the following requirement in any subcontract awarded as a result of this contract: "Information includes, but is not limited to, news releases, articles, manuscripts, brochures, advertisements, still and motion pictures, video clips, speeches, trade association meetings, symposia, published professional papers, abstracts, briefings, etc. Briefings submitted using Microsoft Power Point shall be submitted in Note Page format.

All Contractor requests must include a statement that full internal technical and security reviews have been accomplished and that the information being submitted for clearance is "unclassified, technically accurate, nonproprietary, and considered suitable for public release." A sample Contractor request letter with the required certification statements and other information may be obtained from the WPAFB Security and Policy Review public web site at <http://www.wpafb.af.mil/library/factsheets/factsheet.asp?id=10275>.

Contractors must provide three (3) copies of each document or magnetic media (video, CD, floppy disk, etc.) and request letter by postal mail or package service. For security and administrative reasons, documents may not be submitted by electronic mail. Unclassified, unlimited distribution information proposed for public release about the F-22 Program must be submitted to:

AFLCMC/WWU (F-22 Director's Action Group (DAG))

2725 C Street, Bldg. 553

WPAFB, OH 45433-7424

Telephone: 937-713-7376/7375

Allow for a minimum of 60 days for local reviews and processing of routine documents (Public Affairs requires 10 days minimum for their review). Documents requiring review and clearance at higher headquarters may take up to 45 days. An additional ten (10) copies of documents must be provided at the request of 88 ABW/PAX when higher headquarter clearance is required.

28.0 Safety Requirements

In performing work under this contract, the Contractor shall conform to the safety requirements contained in the contract for all activities related to the accomplishment of the work. This includes the wear of appropriate Personal Protective Equipment (PPE). All required PPE will be furnished by the Contractor. PPE must meet or exceed federal, state, and local standards in AFI 91-203, chapter 14.

Take such additional immediate precautions as the contracting officer may reasonably require for safety and mishap prevention purposes. Anyone observing an unsafe action is authorized to prevent continued performance until the issue is resolved.

28.1 Installation-Specific Safety and Health Standards

The USAF has adopted the OSHA Voluntary Protection Program (VPP). Consequently, VPP impacts all “applicable Contractors” operating on USAF Installations. It is the Contractor’s responsibility to ensure its employees and managers have a comprehensive understanding of VPP as well as full compliance with OSHA requirements. Contractors (to include applicable Subcontractors), whether regularly involved in routine site operations or engaged in temporary projects such as construction or repair, must follow the safety and health rules of the installation or VPP site. Detailed information on VPP is available on the OSHA website (<http://www.osha.gov/dcsp/vpp/index.html>). Contractors, whether regularly involved in routine site operations or engaged in temporary projects such as construction or repair, must follow the safety and health rules of the installation or VPP site. The Contractor shall flow down these requirements to all Subcontractors who qualify as applicable Contractors under this contract. Total Case Incident Rate /Days Away, Restricted or Transferred (TCIR/DART) Reporting. Contractors are required to provide from their OSHA 300 information in the TCIR/DART report by 15 January of each year to the CO/COR for submission as part of the installation’s annual OSHA VPP self-evaluation report.

29.0 Contractor Employees

29.1 Contractor Identification

Contractor personnel and their Subcontractors must identify themselves as Contractors or Subcontractors during meetings, telephone conversations, in electronic messages, and correspondence related to this contract.

Contractor occupied facilities (on AFMC or other Government installations) such as offices, separate rooms, or cubicles must be clearly identified with Contractor supplied signs, name plates or other identification, showing that these are work areas for Contractor or Subcontractor personnel.

All Contractor Management Staff and Contractor personnel shall be clearly identified as such at all times. Contractor identification shall include conversations, mail, email, teleconferences, video teleconferences, faxes, and/or other electronic communication whether with Government personnel, other Contractor personnel, or with the public when supporting this contract where

their status as Contractor employees might not otherwise be apparent or where they might be mistaken for civil service employees. Air Force issued identification badges and any Contractor badges shall be worn at or above the waistline during the individual's duty hours when not in a production or designated Foreign Object Damage (FOD) hazard area.

29.2 Conflict of Interest

The Contractor shall not assign to the contract or task/delivery order performance any person including any employee of the United States (US) Government if employing that person would create a conflict of interest under any law, regulation or policy of the US Government. Additionally, the Contractor shall not assign to the contract or task/delivery order performance, any person who is an employee of the Department of the Air Force, either military or civilian, unless such person seeks and receives approval according to DoD Directive 5500.7-R and any other applicable regulation or policy of the Department of the Air Force or its subordinate commands, as applicable, including but not limited to AFMC.

30.0 Over and Above CLIN

On occasion, the Contractor's services shall be required to support Over and Above (O&A) requirements which will be chargeable to the appropriate CLIN. O&A requirements shall first be approved by the CO on the applicable task/delivery order. O&A requirements are defined IAW DFARS 252.217-7028.

31.0 Continuation of Services

Because the services established under this contract are of critical importance to the Air Force, the Government reserves the right to take over performance of this contract at Government owned and Government operated facilities in the event of a labor strike by the Contractor's employees which impairs the Contractor's ability to satisfactorily perform the contract. In such event, the services shall be performed exclusively by Air Force employees and not a mix of Air Force and non-striking Contractor employees. Under such circumstances, and at the direction of the Contracting Officer, the Contractor agrees to remove its non-striking force from the performance site and not to interfere in any way with Government performance. The Contractor further agrees under such circumstances to permit the Government to use any essential Contractor-furnished property. The Government will equitably compensate the Contractor for use of such property. The Contractor will not be entitled to payment for any performance period or part thereof during which the Government assumes performance.

32.0 Transition Plan/Phase Out

The Government will notify the contractor of any planned transition of work and will request a transition plan under a separately priced TO.

32.1 Shut Down and Contract Completion Costs

In the event of contract completion or termination, the total estimated amount of this contract excludes any cost of final program shut down or contract completion such as costs for relocation of Field Service Engineers (FSE), final inventories, packing, crating, handling, removal and restoration, storage, shipment or other costs for disposition of Government-owned special tooling and test equipment, residual material, work-in-process, other Government property, as well as documentation accountable under this contract.

In the event any of the anticipated annual F-22 sustainment options are not exercised, and the F-22 fleet does not require future sustainment under this contract, the Government may provide a separate RFP for final program shut down or contract completion, subject to availability of funds. The Contractor shall be provided a contract modification or Delivery Order to perform any contract completion activities or tasks as directed by the Contracting Officer pursuant to that contract modification or Task/Delivery Order.

33.0 Software Sustainment Operational Flight Program (OFP)

The purpose of Software Sustainment is to implement deficiency corrections, stability improvements, and mission-essential updates for the F-22 weapon system software. Software Sustainment includes changes to the F-22 air vehicle, trainers, simulators, automated test equipment, mission planning system, and technical order data. The contractor shall accomplish the required program management, configuration management, systems engineering, solution identification, software integration, testing, certification, safety, and security activities to plan software sustainment work, execute software sustainment projects, and to field the OFP.

APPENDICES

- A. Acronyms & Abbreviations List
- B. Government Furnished Property
- C. Safety, Fire Protection and Health Specification Industrial Safety Requirements.
- D. Applicable Documents
- E. Base Level Contractors

Appendix A

ACRONYMS AND ABBREVIATIONS LIST

Acronym/Abbreviation	Definition
ACA	Associate Contractor Agreements
ACI	Analytical Condition Inspections
ACO	Administrative Contracting Officer
ALC	Air Logistics Complex
AF	Air Force
AFB	Air Force Base
AFFARS	Air Force Federal Acquisition Regulation Supplement
AFI	Air Force Instruction
AFLCMC	Air Force Life Cycle Management Center
AFMAN	Air Force Manual
AFMC	Air Force Materiel Command
AFMCI	Air Force Materiel Command Instruction
AA	Aircraft Availability
ASIP	Aircraft Structural Integrity Program
CAC	Common Access Card
CAP	Contractor Acquired Property
CASB	Cost Accounting Standard Board
CBIL	Common Bulk Items List
CCB	Change Control Board
CCP	Contract Change Proposal
CDRL	Contract Data Requirements List
CFT	Contractor Field Team
CLIN	Contract Line Item Number
CLS	Contractor Logistics Support
CMP	Configuration Management Plan
CO	Contracting Officer
COMSEC	Communications Security
COR	Contracting Officer Representative
CPARS	Contractor Performance Assessment Review System
CPFF	Cost Plus Fixed Fee
CPIF	Cost Plus Incentive Fee
CR	Cost Reimbursable (No Fee)
CY	Calendar Year
DAG	Directors Action Group
DAMP	Depot Activation Master Plan
DART	Days Away, Restricted, or Transferred
DCAA	Defense Audit Agency
DCMA	Defense Contract Management Agency
DCV	Design Configuration Verification
DFARS	Defense Federal Acquisition Regulation Supplement
DFP	Depot Flow Plan
DMO	Distributed Mission Operations

DMSMS	Diminishing Manufacturing Sources Material Shortages
DoD	Department of Defense
DoDI	Department of Defense Instruction
ECP	Engineering Change Proposal
EMD	Engineering and Manufacturing Development
EPA	Environmental Protection Agency
FC/FD	Functional Command/Functional Director
FASTeR	Follow-on Agile Sustainment for the Raptor
FAR	Federal Acquisition Regulation
FCA	Functional Configuration Audit
FFP	Firm Fixed Price
FHP	Flying Hour Profile
FOD	Foreign Object Damage
FPIF	Firm Price Incentive (Fixed Target)
FSO	Facility Security Officer
FSE	Field Service Engineer
FTOD	Flight Technical Order Data
FY	Fiscal Year
GFE	Government Furnished Equipment
GFM	Government Furnished Material
GFP	Government Furnished Property
HAFB	Hill Air Force Base
HAZMAT	Hazardous Material
IA	Implementation Agreement
IAAP	Information Assurance Awareness Program
IAW	In Accordance With
ICD	Interface Control Documents
ID/IQ	Indefinite Delivery/Indefinite Quantity
IETM	Interactive Electronic Technical Manual
IIP	Initial Inspection Plans
IMIS	Integrated Maintenance Information System
IPT	Integrated Product Team
IT	Information Technology
IUID	Item Unique Identification
LMA	Lockheed Martin Aeronautics Company
LO	Low Observable
LSA	Logistics Support Analysis
MIL	Military
Mod	Modification
MSDS	Material Safety Data Sheet
MSS	Mission Support System
MWR	Morale, Welfare, and Recreation
NSN	National Stock Number
NTE	Not To Exceed
OEM	Original Equipment Manufacturer
ODC	Other Direct Costs
OFF	Operational Flight Program
OSHA	Occupational Safety and Health Administration

OPSEC	Operational Security
PA	Partnering Agreement
PALS	Program Agile Logistics Support
PBL	Performance Based Logistics
PBSA	Performance Based Service Acquisition
PCA	Physical Configuration Audit
PCARSS	Plant Clearance Automated Reutilization Screening System
PCO	Procuring Contracting Officer
PCOL	Procuring Contracting Officer Letter
PHS&T	Packaging, Handling, Storage, and Transportation
PM	Program Manager
PMA	Portable Maintenance Aid
POP	Period of Performance
PPE	Personal Protective Equipment
PRD	Performance Requirements Document
PRS	Performance Requirements Document
PSE	Peculiar Support Equipment
PSI	Product Support Integrator
PWS	Performance Work Statement
QAP	Quality Assurance Personnel
QAPC	Quality Assurance Program Coordinator
QASP	Quality Assurance Surveillance Plan
QC	Quality Control
QCP	Quality Control Plan
RAMMP	Reliability and Maintainability Maturation Program
RBB	Requirements Review Board
RPC	Requirements and Planning Council
RSP	Readiness Spares Package
SAS	Signature Assessment System
SDLC	System Development Life Cycle
SDS	Service Delivery Summary
SE	Support Equipment
SETD	Support Equipment Technical Document
SIAD	Sierra Army Depot
SIC	Single Install Contract Line Item Number
SMART II	Structural Maintenance and Repair Team II
SPO	System Program Office
SRP	Structural Retrofit Program
SSBI	Single Scope Background Investigation
STD	Standard
ST/STE	Special Tooling and Special Test Equipment
TCI	Time Change Items
TCIR	Total Case Incident Rate
TCTO	Time Compliant Technical Order
TDP	Technical Data Package
TINA	Truth In Negotiations Act
TMWI	Technical Manual Work Instructions
TNMCS	Total Non-Mission Capability for Supply

TO	Technical Order
TOD	Technical Order Data
TODCR	Technical Order Data Change Request
TORB	Technical Order Review Board
TSL	Target Stock Level
UCA	Undefinitized Contract Action
UCO	Undefinitized Change Order
UMMIPS	Uniform Material Movement and Issue Priority System
USAF	United States Air Force
U.S.C.	United States Code
VPP	Voluntary Protection Plan
WPAFB	Wright-Patterson Air Force Base
WRAFB	Warner Robbins Air Force Base

Appendix B

GOVERNMENT FURNISHED PROPERTY AND EQUIPMENT LISTS – Attached separately,
Titled: FASTeR II GFP List

Appendix C

AFLCMC/SES

UNITED STATES AIR FORCE

HILL AIR FORCE BASE, UTAH 84056

APPENDIX “C”

SAFETY, FIRE PROTECTION AND HEALTH SPECIFICATION

INDUSTRIAL SAFETY REQUIREMENTS

DATE: 24 Feb 2016

PREPARED BY:

Robert Giese, AFLCMC/SES, (DSN: 586-8777)

SECTION I - GENERAL REQUIREMENTS

A. Safety Program Requirements.

The contractor will implement a safety program plan that ensures protection of Government personnel and property. The program will consist of, as a minimum:

1. Mishap reporting, as defined in paragraph B1 below.
2. A Safety Plan that addresses, as a minimum, the subjects listed in Section II – Specific Requirements, and will be used during the performance of the work described in the contract. The Safety Plan will be approved by AFLCMC/SES (Safety Office) prior to commencement of any work described in this contract.

3. Routine and recurring surveillance to ensure the safety requirements of this contract are enforced.
4. Competent personnel to provide surveillance of the Safety Plan.
5. Identification of segregated work site locations for operations that cannot be co-mingled with general industrial operations and the process for ACO approval of operations and changes at these specific sites.
6. All contractor personnel shall be trained and qualified to perform their duties safely.
7. The contractor shall include a clause in all subcontracts requiring the subcontractors to comply with the safety provisions of this contract, as applicable.

B. Mishap Notification

1. The contractor shall notify 75 ABW/SEG (801-777-3333), or the Hill AFB Command Post (777-3007) after normal duty hours, and the designated Government Representative (GR), i.e., the ACO, PCO, or DCMA QAR (Quality Assurance Representative) within four (4) hours of all mishaps or incidents at or exceeding \$2,000 (material + labor) in damage to DOD property entrusted by this contract, even if the government is wholly or partially reimbursed. This notification requirement shall also include physiological mishaps/incidents. A written or email copy of the mishap/incident notification shall be sent within three calendar days to the GR, who will forward it to 75 ABW/SEG. For information not available at the time of initial notification, the contractor shall provide the remaining information no later than 20 calendar days after the mishap, unless extended by the ACO.

Mishap notifications shall contain, as a minimum, the following information:

- (a) Contract, Contract Number, Name and Title of Person(s) Reporting
- (b) Date, Time and exact location of accident/incident
- (c) Brief Narrative of accident/incident (Events leading to accident/incident)
- (d) Cause of accident/incident, if known
- (e) Estimated cost of accident/incident (material and labor to repair/replace)
- (f) Nomenclature of equipment and personnel involved in accident/incident
- (g) Corrective actions (taken or proposed)

(h) Other pertinent information

2. The contractor shall cooperate with any and all government mishap investigations. Additionally if requested by government personnel or designated government representative (GR), i.e., the ACO, PCO, or DCMA QAR (Quality Assurance Representative), the contractor shall immediately secure the mishap scene/damaged property and impound pertinent maintenance and training records, until released by safety investigators.

3. The contractor shall provide copies of contractor data related to mishaps, such as contractor analyses, test reports, summaries of investigations, etc. as necessary to support the government investigation.

4. The contractor shall support and comply with the safety investigation and reporting requirements of AFI 91-204, Chapters 1 – 7.

C. CONTRACTOR ON-SITE SAFETY BOARD:

The Contractor shall erect and maintain a safety and health bulletin board in a commonly accessed area in clear view of the on-site workers. The bulletin board shall be continually maintained and updated and placed in a location that is protected against the elements and unauthorized removal. It shall contain, at minimum, the following safety and health information:

a. A map denoting the route to the nearest emergency care Facility;

b. Emergency phone numbers; (911, Police, Fire, Environmental, others as applicable)

c. A copy of the most up-to-date Accident Prevention Plan (APP) shall be mounted on or adjacent to the bulletin board, or a notice on the bulletin board shall state the location of the APP.

The location of the APP shall be accessible on the site by all workers;

d. A copy of the current Activity Hazard Analysis/analyses (AHA) shall be mounted on or adjacent to the bulletin board, or a notice on the bulletin board should state the location of the

AHAs. The location of the AHAs shall be accessible on the site by all workers;

e. The Occupational Safety and Health Administration (OSHA) Form 300A, Summary of Work Related Injuries and Illnesses, shall be posted, in accordance with OSHA requirements, from

February 1 to April 30 of the year following the issuance of this form. It shall be mounted on or adjacent to the bulletin board, which shall be accessible on the site by all workers;

- f. A copy of the Safety and Occupational Health deficiency tracking log shall be mounted on or be adjacent to the bulletin board or a notice on the bulletin board shall state the location where it may be accessed by all workers upon request;
- g. Safety and Health promotional posters;
- h. Date of last lost workday injury;
- i. OSHA Safety and Health Poster;
- j. A copy of the hazardous material inventory, identification of use, approximate quantities and site map detailing location.

Post Contact Information on Board (as applicable)

- 1. Contract Number
- 2. Prime Contractor name, Prime Contractor's POC name and phone number
- 3. Sub-Contractor name, Sub Contractor's POC name and phone number
- 4. Government Sponsor name, and Government Sponsor's, POC Name and Phone number

D. General Safety Requirements:

If the safety plan is modified, the contractor shall submit the proposed modification, in writing, to the Contract Administration Office safety representative.

The contractor is solely responsible for compliance with all federal, state and local laws, the Occupational, Safety and Health Act (OSHA) (Public Law 91-596) and the resulting standards, **OSHA Standards 29 CFR 1910 and 1926**, as applicable, and the protection of their employees. Additionally, the contractor is responsible for the safety and health of all subcontractor employees.

The contractor shall ensure assigned personnel are adequately trained and qualified for the task being performed. Brief all personnel on the hazards involved with operations and applicable precautions to be taken. Should unidentified hazards arise, cease operations until actions are taken to eliminate or mitigate hazards to safe levels.

Compliance with OSHA and other applicable laws and regulations for the protection of contractor employees is exclusively the obligation of the contractor. **Note:** Air Force Occupational Safety and Health Standards (AFOSH STD) are annotated because many of the Air Force Standards exceed the OSHA standard criteria. If a conflict is noted, the most stringent requirement takes precedence. The government shall assume no liability or responsibility for the contractor's compliance or non-

compliance with such requirements. The contractor shall furnish to each of his/her employees a place of employment, which is free from recognized hazards. The contractor shall brief his/her employees on the safety requirements of this contract and on hazards associated with prescribed tasks. The contractor is responsible for compliance with OSHA Public Law and the resultant standards identified within. In addition, the contractor is required to flow down the safety requirements/specification to all subcontractors. This applies to Federal Acquisition Regulation (FAR) 12 commercial acquisitions as well. This contract shall in no way require persons to work in surroundings or under working conditions which are unsafe or dangerous to their health. The contractor must coordinate and perform work so as not to impact the safety of government employees or cause damage to government property. This requires providing personnel with protective equipment and associated safety equipment as may be necessary. The contractor must also protect personnel from hazards generated by the work. If the contractor employs BILINGUAL speaking employees, they must post bilingual signs and have written procedures for specific tasks in applicable languages.

SECTION II – SPECIFIC REQUIREMENTS

The contractor's prepared Safety Plan shall:

- Demonstrate a management commitment to employee safety and health
- Identify applicable rules and regulations
- Identify the roles and responsibilities of Management, Supervisors, Employees and Safety Coordinator
- Identify work to be performed and location of expected operations
- Provide a description of safety program, safety monitoring responsibilities, organizational structure, and contact information for on-site personnel
- Include a work hazard analysis of the worksite and operations to be performed to include baseline hazard identification and required control measures
- Identify employee safety and health training requirements and the documentation process
- Include emergency response plans and procedures that relate to protection of government personnel and property
- Include a workplace inspection frequency, to include the identity of the individual responsible for conducting the inspection
- Include hazard reporting procedures and identify individual(s) responsible for the correcting identified hazards
- Identify first aid and injury procedures
- Identify procedures for accident reporting and investigation
- Identify the process for tracking controlled hazards in contractors work area

The contractor shall ensure that each element identified below is adequately addressed in detail in the safety and health plan:

PEDESTRIAN CROSSWALKS: All contractor personnel are required to use the closest crosswalk, or traffic controlled intersection when crossing the road. Pedestrians must look both ways to ensure the coast is clear before stepping out into the crosswalk. Pedestrians DO NOT have the right of way unless they are already in the crosswalk. Contractor vehicle operators have the same responsibilities as pedestrians, to share the road and mutually observe and yield to pedestrians.

MOTOR VEHICLES: Contractor shall comply with the standards in: DoD Directive 5525.4, *Enforcement of State Traffic Laws on DoD Installations*", DODI 6055.4, *DoD Traffic Safety Program*, AFI 91-207, *USAF Traffic Safety Program*, and AFI 91-207 AFMC SUP1, *The US Air Force Traffic Safety Program*. Each applies to all persons at any time on an Air Force Installation and includes all leased, owned, or privatized property including housing areas. In addition: AFI 13-213, *Airfield Management*, applies to all contractors, sub-contractors, vendors, commercial delivery companies, and all other private business vehicles who operate anywhere on Hill Air Force Base, including the airfield (to include the industrial areas and any buildings or hangars located upon the airfield) in support of their mission.

WALKING – WORKING SURFACES Contractor shall comply with the standards in 29 CFR 1910 Subpart D and Life Safety Code. All interior walking and working surfaces which are part of the means of egress shall **remain** clear at all times and comply with the requirements of National Fire Protection Association (NFPA) 101, *Life Safety Code*. Floors shall be kept in good condition and free of defects that can endanger workers or interfere with the handling of materials. Housekeeping – methods and controls are in place to minimize tripping hazards, the accumulation of flammable/combustible materials, etc. Portable metal ladders – methods and controls are in place to ensure inspection and safe use. Open-sided floors/platforms/runways must be protected and not left uncovered to prevent injury.

PERSONAL PROTECTIVE EQUIPMENT Contractor shall comply with the standards in 29 CFR 1910.132, 134, 136 Subpart I and 29 CFR 1926, 28, 95, 100, 101, 102, & 951. Personnel protective equipment is required to be worn when employees are exposed to a potential hazard, working overhead, falling objects, etc. Contractor's Safety Plan shall also address:

- Eye and face protection
- Head protection
- Foot Protection

HAZARDOUS COMMUNICATIONS Contractor shall comply with the standards in 29 CFR 1910.1200. Contractor's Safety Plan shall also address:

- Written Program - list of hazardous chemicals, methods used to inform employees of the hazards, precautionary measures
- Identity of the hazardous chemical(s) and labeling system
- Safety data sheets and location

- Employee information and training

HAZARDOUS MATERIALS: Contractor shall comply with the standards in 29 CFR 1910.120, Subpart H – *Hazardous waste operations and emergency response*. When handling the hazardous material the following must be accomplished: Compressed gases – training, handling, storage, use, and PPE; flammable and combustible liquids – training, handling, storage use, and PPE. Contractor's Safety Plan shall also address:

- Training, handling, storage, use and PPE
- Explosives and blasting agents
- Dipping and coating operations

HAZARDOUS WASTE OPERATIONS: Contractor shall comply with the standards in 29 CFR 1910.120 and 29 CFR 1926.65. Contractor's Safety Plan shall also address:

- Emergency Response Plan
- Personal Protective Equipment
- Medical Surveillance
- Health and Safety Plan (HASP– required elements have been incorporated)
- Employee Training

TOXIC AND HAZARDOUS SUBSTANCES: Contractor shall comply with the standards in 29 CFR 1910 Subpart Z and 29 CFR 1926 Subpart Z. Contractor's Safety Plan shall also address:-A section related to working with toxic and hazardous substances, such as asbestos, benzene, lead, and styrene, where the following areas are addressed:

- Threshold Limit Values (TLV)-Exposure monitoring
- Medical surveillance
- Work practices
- Engineering controls
- Respiratory protection
- Protective clothing (PPE)

SYSTEM MODIFICATION-WHICH ALTERS FORM, FIT OR FUNCTION: Contractor shall comply with latest version of Mil Standard 882, *Standard Practice for System Safety*, and AFI 91-202, *The US Air Force Mishap Prevention Program*, for system modifications, which alter form, fit, or function.

ELECTRICAL: Contractor shall comply with the standards in 29 CFR 1910 Subpart S, 29 CFR 1926 Subpart K, AFI 91-203, *Air Force Consolidated Occupational Safety Instruction* and NFPA 70. All electrical wiring must be IAW National Electrical Code

(NEC) 70. Electrical wiring and equipment shall be a type listed by UL or another recognized listing agent. Contractor's Safety Plan shall also address:

- Selection and use of work practices
- Training (basic electrical safety knowledge)
- Use of equipment (handling, visual inspection, rating of equipment)
- GFCI Protection for outside contractor drops and wet/damp areas
- Arc Flash

FIRE PROTECTION FOR FACILITIES: Contractor's procedures shall comply with NFPA 10, *Portable Fire Extinguishers*, 2007 Edition; NFPA 13, *Installation of Sprinkler Systems*, 2007 Edition; NFPA 33, *Spray Application Using Flammable or Combustible Materials*, 2007 Edition; NFPA 70, *National Electrical Code*, 2008 Edition; NFPA 72, *National Fire Alarm Code*, 2007 Edition; NFPA 91, *Exhaust Systems for Air Conveying of Vapors, Gases, Mists, and Noncombustible Particulate Solids*, 2004 Edition.

HAZARDOUS ENERGY CONTROL PROGRAM ELEMENTS (LOCKOUT-TAGOUT)

Contractor shall comply with the standards [29 CFR 1910 Subpart S](#), [29 CFR 1926 Subpart K](#) and AFI 91-203, and Air Force Consolidated Occupational Safety Instruction. Contractor's Safety Plan should also address:

- Purpose of hazardous energy control program
- Employee training -Lockout/tagout procedures
- Restoring equipment to normal operations
- Removal of locks and tags -Periodic inspections
- Portable Fire Extinguishers – proper type, inspection, maintenance, testing, and training

MATERIALS HANDLING AND STORAGE: Contractor shall comply with the standards in 29 CFR 1926.250, 953, 957 and 29 CFR 1910.101, Subparts F, H & N; and 29 CFR 1910.178, *Powered Industrial Truck*. Contractor's Safety Plan shall also address:

- Storage and handling of materials
- Disposal of trash from elevations
- Personnel lifting techniques--proper storage to prevent shifting, for stability, etc.
- Rigging (requirements, inspection, components, and qualifications)
- Equipment (use in handling materials)
- Industrial trucks (training, inspection, maintenance, and safe use)

CONFINED SPACE PROGRAM ELEMENTS: Contractor shall comply with the standards in 29 CFR 1910.120, 146 and 29 CFR 1926.21 and 353 and AFI 91-203, Air Force Consolidated Occupational Safety Instruction. A confined space must meet the following three criteria:

(1) is large enough and so configured that an employee can bodily enter and perform assigned work; and
(2) has limited or restricted means for entry or exit (for example, tanks, vessels, silos, storage bins, hoppers, vaults, and pits are spaces that may have limited means of entry.); and
(3) is not designed for continuous employee occupancy. **Examples:** underground vaults, tanks, storage bins, manholes, pits, silos, process vessels, and pipelines.

Contractor's Safety Plan shall address:

and

- Hazards of confined space
- Permit and Non-permit confined spaces
- Responsibilities of management, entry supervisor, authorized entrant, authorized attendants
- Training requirements
- Permit handling and approval
- Emergency and rescue plans
- Testing and monitoring requirements
- Special hazards
- Posting requirements (applicable to subcontractor operated facilities)

GENERAL ENVIRONMENTAL CONTROLS: Contractor shall comply with the standards in *29 CFR 1910 Subpart G, 29 CFR 1910 Subpart J and 29 CFR 1926 Subpart D*. Contractor's Safety Plan shall also address:

- Sanitation-toilet and washing facilities
- Accident prevention signs and tags

RESPIRATORY PROTECTION PROGRAM ELEMENTS: *Contractor shall comply with the standards in 29 CFR 1910.134 and 29 CFR 1926.134.* Respirators are required to be worn if employees are exposed to inhalation hazard. Contractor's Safety Plan shall also address:

- Training
- Medical evaluation
- Fit tests
- Selection of respiratory equipment
- Storage of respiratory equipment
- Pre-use checks

HEARING CONSERVATION PROGRAM ELEMENTS: Contractor shall comply with the standards in 29 CFR 1910.95 and 29 CFR 1926.52. ***.NOTE: Noise exposures are based on ACGIH guidelines of 85 dB TWA.*** Contractor's Safety Plan shall also address:

- Monitoring (survey of noise producing equipment)
- Audiometric testing
- Hearing Protectors
- Training
- Recordkeeping/Access to information and training material

MEDICAL AND FIRST AID: Contractor shall comply with the standards in 29 CFR 1910 Subpart K and 29 CFR 1926 Subpart C. Contractor's Safety Plan shall also address:

- Adequate first aid supplies
- Trained employee to render first aid
- Recordkeeping
- Reporting and investigating accidents/incidents
- Off-site physician(s)
- Maintenance of and employee access to exposure monitoring data and medical records

EXPLOSIVE SAFETY REQUIREMENTS: Contractor shall comply with the standards in AFMAN(I) 24-204, *Preparing Hazardous Materials for Military Air Shipments*, and dash 11 series TOs; DoDI 4145.26M, *DoD Contractors' Safety Requirements for Ammunition and Explosives*, DoD 4145.19-R-1, *Storage and Materials Handling*, AFJMAN 23-210, *Joint Service Manual for Storage and Material Handling*, TO 11A-1-33, *Handling and Maintenance of Explosives-Loaded Aircraft*, TO 11A-1-46, *Fire Fighting Guidance, Transportation, and Storage*, for all handling of all explosive devices to be removed, installed, stored or transported, AFMAN 91-201, *Explosives Safety Standards*.

FOREIGN OBJECT DAMAGE (FOD) Awareness, Prevention and Responsibilities.

Contractor shall comply with the standards in: AFI 21-101 AFMC SUP 1, *Aircraft and Equipment Maintenance Management*, **National** Aerospace Standard (NAS) 412, *Foreign Object Damage/Foreign Object Debris (FOD) Prevention Program*, AFI 91-203, *Air Force Consolidated Occupational Safety Instruction*.

The FOD program must be integrated into the day-to-day operations to reduce/eliminate FOD incidents. Programs will include covering waste dumpsters, waste hauling trucks, barriers in place to stop migrating FOD from dirt and gravel piles, and end of shift or daily clean-up. The contractor will brief their personnel at least weekly on any FOD

requirements. All contractors, subcontractors performing maintenance in a FOD–potential area will receive and have documented initial FOD Awareness and Prevention training. All vehicle operators are responsible for performing a Foreign Object (FO) inspection on their vehicles including all towed equipment, vehicle tires and open cargo areas of vehicles prior to entering the marked runway, taxiway, flight line, and aircraft parking ramps and other areas as directed by the Installation FOD Awareness and Prevention Officer. All “open-air” delivery vehicles must be free of loose items/debris that could potentially fall from the vehicle and cause a FOD hazard. The cargo beds of pickups truck must be clean or covered prior to entering the airfield. Vehicles will be subject to inspection and denied entry if found unacceptable. Contractors and site/operations evaluators will ensure tools; equipment, rags, residue and hardware are properly stored and accounted for. **“Clean as you go” methods are desired.**

PROTECTIVE BARRIERS/WARNING SIGNS: *Contractor shall comply with the standards in: 29 CFR 1926, Subpart G, Sections 200, 201 and 202 and EM 385-1-1, US Army Corps of Engineers Manual, Safety and Health Requirements.* Barricades must be provided by the contractor in an area for excavation, open manholes, overhead work, or the protection of personnel from hazardous operations, moving equipment or cranes. Barricades are required to cover holes in the ground properly (e.g.: rigid/protective – 200 pound load capacity for fall protection, Red & White rope for warning barricades. The contractor must barricade the area for overhead work to protect personnel from hazardous operations. For crane operations, the barricaded area must encompass one and one half times the longest extended length of the erected boom. Barricades must be erected before the work begins. If the barricades are in a roadway or walkway, blinking lights must be used after dark. When the work is complete, the barricades must be removed from the job site. Kerosene lamps and open flame pots shall not be used for or with warning signs or devices.

EXCAVATIONS: *Contractor shall comply with the standards in 29 CFR 1926.651 and Subpart P, Appendix B & C and EM 385-1-1, US Army Corps of Engineers Manual, Safety and Health Requirements, 3 Nov 03 Section 25.* In all excavations where employees are exposed to danger from moving ground, protection shall be provided by means of a shoring system, sloping of the ground or some other equivalent means. All trenches over five feet deep in either hard and compact or soft and unstable soil shall be sloped, shored, sheeted/braced or otherwise supported. Trenches less than five feet in depth shall also be effectively protected when hazardous ground movement may be expected.

SCAFFOLDING: *Contractor shall comply with the standards in: 29 CFR 1910 Subpart D and 29 CFR 1926 Subpart L.* Scaffolds are used for persons engaged in work that cannot be done safely from the ground or from solid construction. A competent and qualified person must be on site to make decisions on scaffolding operations. Contractor’s Safety Plan shall also address:

- Safety requirements for construction (as applicable), operation, maintenance, railings, toeboards, inspections, fall protection, and use
- Rails
- Bracing
- Toeboards
- Fall Protection

POWERED PLATFORMS, MANLIFTS AND VEHICLE-MOUNTED WORK

PLATFORMS: *Contractor shall comply with the standards in 29 CFR 1910 Subpart F. Manlifts are used for the purpose of allowing workers to perform duties at elevated levels. A competent and qualified person must be onsite to make decisions on manlift operations.*

Note: **Fall restraint is the preferred method for fall protection.** Contractor's Safety Plan shall also address:

- Personal Fall Arrest Systems (PFAS) {body harness, lanyard, lifeline, etc., inspections}
- Manlift – maintenance, inspection, and operation

AERIAL LIFT EQUIPMENT: *Contractor shall comply with the standards in 29 CFR 1910.66 Subpart F , American National Standards Institute (**ANSI**) ANSI 92.2, ANSI 92.5, ANSI 92.6, and AFI 91-203, Air Force Consolidated Occupational Safety Instruction. Aerial lifts have inherent risks associated with their use. The Air Force has established procedures to ensure only trained and qualified personnel are operating aerial lifts. In the past, the lifts were identified that did not meet regulatory safety requirements and foreign objects (FO) were found on the equipment. Based on this negative trend and a fatal mishap in years past, the following policies, procedures and processes will be adhered to when aerial lifts are used to support a contractor mission:*

(1) Aerial devices shall include the following types of vehicle mounted aerial devices

used to elevate personnel to job sites above ground:

- Extendible boom platforms
- Aerial ladders
- Articulating boom platforms
- Vertical towers and a combination of any of the above

(2) Aerial equipment may be made of metal, wood, fiberglass reinforced plastic, or other material; may be powered or manually operated, and are deemed to be aerial lifts whether or not they are capable of rotating about a substantially vertical axis.

CONTRACTOR AERIAL LIFT DEVICES: Contractors shall comply with the standards in 29 CFR 1910.67 , 29 CFR 1926.453, and ANSI 92.2, *Standards for "Vehicle Mounted Elevating and Rotating Work Platforms*. Contractors, subcontractors, vendors, commercial delivery companies, and all other private business vehicles will comply with the following requirements while operating any type of aerial lift as described above, while on a DOD installation. This includes contractor owned equipment, leased or rented equipment acquired to support the contractual activities. Unless otherwise provided in this section, aerial devices (aerial lifts) acquired on or after July 1, 1975, shall be designed and constructed in conformance with the applicable requirements of the American National Standards for "Vehicle Mounted Elevating and Rotating Work Platforms, ANSI A92.2 - 1969, including **appendix** which is incorporated by reference as specified in 29 CFR 1910.66. Aerial lifts acquired for use before July 1, 1975 which do not meet the requirements of ANSI A92.2 - 1969, may not be used after July 1, 1976, unless they shall have been modified so as to conform to the applicable design and construction requirements of ANSI A92.2 - 1969. Prior to bringing an aerial device on a DoD installation, the contractor will ensure: Aerial devices meet the above 29 CFR 1910.66 and 1910.67 requirements. Aerial devices meet certification and classification for the designated work area. Aerial devices are serviceable, and all safety devices, warning devices, and interlocks operate. Aerial devices (regardless of guardrail, mid-rail or toe board configuration) will have fall protection attach points installed. Aerial devices will contain the manufacturer's manual and operator's safety manual. The applicable ANSI Standard will satisfy the requirement for a safety manual. The contractor and operating employee will be trained and certified on the leased/rental device and provide visual certification upon request. Aerial lifts will not be used to deliver employees to higher levels unless so certified.

PERSONAL PROTECTIVE EQUIPMENT FOR AERIAL LIFT DEVICES: To ensure compliance with 29 CFR 1910.66, Subpart F, Appendix C, 29 CFR 1910.133, *Personal Protective Equipment*, 29CFR 1926.453, *Aerial Lifts*, 29CFR 1926.104, *Safety belts, Lifelines & Lanyards*, and 29CFR 1926.501, *Duty to have Fall Protection*; the contractor will ensure the following: Contractor employees will use fall restraint on all aerial lift devices unless so certified for fall arrest by the manufacturer. Fall restraint is the preferred standard for DOD installation operations with aerial devices. Fall restraint will consist of a harness (no body belts allowed) and a lanyard shortened to the minimum length to allow work but not allow the employee to leave the platform cage or stand on toe-boards or mid-rails. Energy absorbing lanyards are not authorized for fall restraint. Lanyards will have self-closing; self-locking keepers which remain closed and locked until unlocked and pressed open for connection or disconnection. Contractor employees operating, observing and spotting for aerial devices will wear approved hard hats.

GENERAL FALL PROTECTION: Contractor shall comply with the standards in: 29 CFR 1910.66, Appendix C, Subpart F and 29 CFR 1926.500-502, Subpart M – If a person can fall 4 feet or more; fall protection must be provided to prevent injury. Contractor's Safety Plan shall also address:

- Guardrail System (height and load rating)
- Safety Net System (location, inspection, and testing)
- Personal Fall Arrest System (PFAS)- life line, lanyard, component strength, and anchorage
- Fall Protection Plan
- Qualifications of persons

CRANES, DERRICKS, HOISTS, ELEVATORS, AND CONVEYORS: Contractor shall comply with the standards in: 29 CFR 1926 Subpart N – Cranes are used to move material, simplify materials handling and heavy or bulky supplies and equipment. Load capacities and operating speeds must be posted; special hazard warnings and instructions – visible to operator; hand signals – per ANSI standard for type of crane in use and inspections are performed by a competent person. Personnel must be trained/qualified/certified by a nationally recognized crane certification league to operate these items.

WORK STANDS/PLATFORMS: Contractor's procedures shall comply with AFI 91-203, Air Force Consolidated Occupational Safety Instruction and 35A4 series T.O.s -Ground Support Equipment (various maintenance stands).

AIRCRAFT MAINTENANCE: Contractor shall comply with the standards in AFI 91-203, Air Force Consolidated Occupational Safety Instruction, *applicable Dash 2 Series Technical Orders*, and AFI 21-101, *Aircraft and Equipment Maintenance Management*.

LIQUID GASEOUS OXYGEN/CRYOGENICS: Contractor's procedures shall comply with AFI 91-203, Air Force Consolidated Occupational Safety Instruction T.O. 00-25-172, *Ground Servicing of Aircraft and Static Grounding/Bonding*, and NFPA 51, *Design & Installation of Oxygen–Fuel Gas Systems for Welding, Cutting, and Allied Processes*, 2007 Edition, Chap 4.

AIRCRAFT JACKING OPERATIONS: Contractor's procedures shall comply with site specific applicable aircraft T.O.s and 35A2 series Technical Orders (various jacking equipment), and AFI 91-203, Air Force Consolidated Occupational Safety Instruction.

FUEL TANK /FUEL CELL REPAIR: Fuel tank/cell work will be accomplished IAW the requirements in T.O. 1-1-3, *Inspection and Repair of Aircraft Integral tanks and Fuel Cells*, Air Force Civil Engineer Support Agency (AFCESA) Engineering Technical Letters (ETL) listed in PART III, and list specific applicable Aircraft Technical Orders.

FUELING/DEFUELING OPERATIONS: All fueling/defueling operations will be in compliance with T.O. 00-25-172, *Ground Servicing of Aircraft and Static Grounding/Bonding*, T.O. 1-1-3, *Inspection and Repair of Aircraft Integral Tanks and*

Fuel Cells, Air Force Civil Engineer Support Agency (AFCESA) Engineering Technical letters (ETL) listed in PART III, and list specific applicable Aircraft Technical Orders.

HANGERING OF FUELED AIRCRAFT: Aircraft hangars where fueled aircraft will be stored must meet the facility requirements in NFPA 70, *National Electrical Code*, 2008 Edition, NFPA 409, *Aircraft Hangars*, 2004 Edition; NFPA 410, *Aircraft Maintenance*, 2004 Edition, and T.O. 1-1-3, *Inspection and Repair of Aircraft Integral Tanks and Fuel Cells*, and Air Force Civil Engineer Support Agency (AFCESA) Engineering Technical Letters (ETL) listed in PART III.

REMOVE/INSTALL AIRCRAFT ENGINES: Contractor shall comply with the procedures in T.O. 2J-1-18, *Preparation for Shipment and Storage of Gas Turbine Engines*, 30 Jun 02 and (list applicable Aircraft Handbooks).

ON-AIRCRAFT ENGINE OPERATIONS/ENGINE RUNS: Contractor's procedures must comply with AFI 11-218, *Aircraft Operations and Movement on the Ground*, Chap 1, Sect 1D, 1, site specific applicable aircraft T.O.s and AFI 91-203, Air Force Consolidated Occupational Safety Instruction.

AIRCRAFT TOWING/PARKING/MOORING: Towing, parking and mooring procedures must comply with AFI 11-218, *Aircraft Operations and Movement on the Ground*, Chap 1, Sect 1D, AFI 91-203, Air Force Consolidated Occupational Safety Instruction, Unified Facility Code (UFC260-1, *Airfield and heliport Planning and Design*, site specific applicable aircraft Technical Orders.

SAFING/EGRESS/ESCAPE SYSTEMS: Contractor shall comply with the standards in T.O. 11A-1-33, *Handling and Maintenance of Explosives-Loaded Aircraft*, and site specific applicable aircraft Technical Orders.

ELECTRONIC/ELECTROSTATIC DISCHARGE SENSITIVE COMPONENTS: An electrostatic discharge program, when applicable, shall be implemented according to MIL-HDBK-263B, *Electrostatic Discharge Control Handbook for Protection of Electrical and Electronic Parts, Assemblies and Equipment (Excluding Electrically Initiated Explosive Devices)*, MIL-STD-1686C, *Electrostatic Discharge Control Program for Protection of Electrical and Electronic Parts, Assemblies and Equipment (Excluding Electrically Initiated Explosive Devices)*, 25 Oct 95 and T.O. 00-25-234, *General Shop Practice Requirements for the Repair, Maintenance and Test of Electrical Equipment*, or the commercial standard ANSI/ESD S20.20, *Electrostatic Discharge Control Program-Protection of Electrical & Electronic Parts, Assemblies and Equipment*.

CLEANING/CORROSION CONTROL FOR AVIONICS AND ELECTRONICS: Corrosion removal and treatment shall be conducted according to TO 1-1-689-3, *Cleaning and Corrosion Control Volume III Avionics and Electronics*, 1 Mar 05; and T.O.

1-1-689-5, *Cleaning and Corrosion Control Volume V Consumable Materials and Equipment for Avionics*.

CLEANING/CORROSION CONTROL OF AIRCRAFT: Corrosion removal and treatment shall be conducted according to T.O. 1-1-691, *Cleaning and Corrosion Prevention and Control, Aerospace and Non-Aerospace Equipment*.

PAINTING & PAINT REMOVAL: Painting and paint removal shall be accomplished according to T.O. 1-1-8 *Application and Removal of Organic Coatings, Aerospace and Non-aerospace Equipment*, NFPA 33, *Spray Application Using Flammable or Combustible Materials*, 2007 Edition and NFPA 410, *Aircraft Maintenance*, 2004 Edition.

AIRCRAFT PAINTING & PAINT REMOVAL OPERATIONS: Contractor shall comply with the standards in T.O. 1-1-8, *Application and Removal of Organic Coatings, Aerospace and Non-aerospace Equipment*, NFPA 33, *Spray Application Using Flammable or Combustible Materials*, NFPA 70, *National Electrical Code*, NFPA 91, *Exhaust Systems for Air Conveying of Vapors, Gases, Mists, and Noncombustible Particulate Solids*, 2004 Edition; NFPA 409, *Aircraft Hangars*, NFPA 410, *Aircraft Maintenance*, and (cite specific applicable aircraft T.O.s)

HOUSEKEEPING: Housekeeping shall be conducted according to the requirements in OSHA Standard 29 CFR 1910.141. ***CLEAN AS YOU GO*** will be enforced. Refuse, trash, and debris will be collected daily and not left on site to prevent hazards during high winds and inclement weather.

SOLDERING: Soldering shall be conducted in accordance with the requirements in T.O. 00-25-234, *General Shop Practice Requirements for the Repair, Maintenance and Test of Electrical Equipment*, and 29 CFR 1910.253.

GROUNDING, BONDING OF AIRCRAFT & AVIONICS EQUIPMENT: Contractor shall comply with the standards for grounding and bonding in accordance with TO 00-25-172, *Ground Servicing of Aircraft and Static Grounding/Bonding*, for aircraft repair and TO 00-25-234, *General Shop Practice Requirements for the Repair, Maintenance and Test of Electrical Equipment*, for avionics equipment.

HAND AND PORTABLE POWERED TOOLS AND OTHER HAND-HELD EQUIPMENT: Contractor shall comply with the standards in 29 CFR 1910 Subpart P and 29 CFR 1926 Subpart I. Contractor's Safety Plan shall also address:

- Inspection
- Proper use
- Guarding
- Maintenance
- Control of rotating parts, flying chips, and sparks

WELDING, CUTTING AND BRAZING: Contractor shall comply with the standards in: 29 CFR 1910.251 thru 255 and 29 CFR 1926.102(b), 153, 453(b), AFI 91-203, Air Force Consolidated Occupational Safety Instruction, NFPA 410 *Aircraft Maintenance*, and NFPA 51B, *Fire Prevention During Welding, Cutting, and Other Hot Work*, Contractor's Safety Plan shall also address:

- Welding Permit Required from Fire Department
- Training/worker knowledge
- Equipment inspections, service, and use
- Fire protection and prevention
- Protective equipment & welding shields
- Health protection (PPE)
- Ventilation
- Cylinders and containers
- Cylinder storage

General guidance for Mishap reporting within Contractor Health and Safety Plans

The safety reviewing office for AFLCMC contracts generated at Hill AFB is AFLCMC/SES.

All documents should be submitted to this email address:

robert.giese@us.af.mil

When **government assets** are involved in a Mishap several notifications are required:

1) The closest US Air Force base must be notified as they will be performing the Mishap investigation. If this occurs at **Hill AFB**, the following contract statement should be used (otherwise substitute the appropriate base and contact information):

The contractor shall notify the Installation Safety Office, 75 ABW/SEG, telephonically at (801-777-3333), or the Hill AFB Command Post (801-777-3007) after normal duty hours, within four hours after initial notification of all mishaps or incidents for damage to DoD property

2) If **AFLCMC** is involved (which we are, or I wouldn't be reviewing your document) then the following statement needs to also be added (the four hour requirement still applies):

The contractor will also provide notification to AFLCMC Safety office telephonically at (937) 904-3386 during duty hours and (937) 510-1184 after hours

3) The contracting **Program Office** also needs to be notified within the same four time frame:

The contractor will also notify the program office at (XXX) XXX-XXXX during duty hours and (XXX) XXX-XXXX after hours.

NOTE: Notification of #2 & 3 are required as they will be supporting the mishap investigation.

NOTE 2: Some Program Offices may not have an after-hours number.

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Mishap notifications shall contain, at a minimum, the following information:

- Contract, Contract Number, Name and Title of Person(s) Reporting
- Date, time and exact location of accident/incident
- Brief narrative of accident/incident (Events leading to accident/incident)
- Cause of accident/incident, if known
- Estimated cost of accident/incident (material and labor to repair/replace)
- Nomenclature of equipment and personnel involved in accident/incident
- Corrective actions (taken or proposed)
- Other pertinent information

Appendix D
APPLICABLE DOCUMENTS

	Date/Version	
15.1.1 Military Standards		
DOD Instruction 5000.64, Defense Property Accountability	11/2/06	Mandatory
MIL-STD-129P, Military Marking for Shipment and Storage	10/29/04	Mandatory
15.1.2 Department of Defense and Transportation		
Joint DoD Radio Frequency Identification (RFID) Policy 073004	7/30/04	Guidance
F-22 Unique Identification (UID) Implementation Plan, 5PC01454	5/30/05	Guidance
Department of Transportation Title 49 Code of Fed Reg.	8/10/05	Mandatory
15.1.3 Air Force Manuals, Regulation and Instructions		
AFI 10-503 Base Unit Bed down Program	5/29/03	Mandatory
AFI 20-104, System Executive Mgmt Report	12/11/98	Mandatory
AFI 21-101, Aerospace Equipment Maintenance Mgmt	6/29/06	Mandatory
AFI 21-103, Equipment Inventory, Status and Utilization Reporting	4/9/10	Mandatory
AFI 24-202, Preservation and Packaging	9/5/03	Mandatory
AFI 63-107, Integrated Product Support Planning and Assessment	11/10/04	Mandatory
AFMCI 21-102, Analytical Condition Inspection (ACI) Programs	1/29/02	Mandatory
AFMC I 21-133, Depot Maintenance Management for Aircraft Repair	3/24/05	Mandatory
YF OI 33-6, Electronic Mail	10/1/03	Mandatory
YF OI 63-4 Crisis Management Team Response	3/1/04	Mandatory
15.1.4 Technical Orders		
TO 00-5-1, AF Technical Order System	8/15/09	Mandatory

TO 00-5-3, AF Technical Order Life Cycle Management	12/31/09	Mandatory
TO 00-5-15, Air Force Time Compliance Technical Order Process	09/22/14	Mandatory
TO 00-25-107, Maintenance Assistance	08/18/11	Mandatory
TO 00-25-4, Depot Maintenance of Aerospace Vehicles	Change 4, 4/1/06	Mandatory
TO 00-35D-54, USAF Deficiency Reporting, Investigating, and Resolution	05/15/15	Mandatory
TO 00-20-1 Aerospace Equipment Maintenance Inspection, Documentation, Policies, and Procedure	Change 4, 11/1/06	Mandatory
15.1.5 Plans		
Configuration Management Plan (CMP), 5PC00013	Latest Approved	Mandatory
Depot Surge Plan (5PD01553)	4/01/08	
Counterfeit Electronic Parts; Avoidance, Detection, Mitigation, and Disposition, SAE AS5553	01/01/13	
FASTeR Incentive Plan	TBD	Mandatory
Performance Specification for the F-22 Mission Support System (MSS), 5PPCR002	6/12/01	Mandatory
Weapon System Integrity Life Management Master Plan (ILMMP)	8/05	Guidance
F-22 Base Activation Master Plan (BAMP), 5PD42405A	3/30/07	Guidance
F-22 Aircraft Distribution Plan	11/17/04	Guidance
F-22 Facilities Requirements Plan (FRP), 5PC0023U	2/28/07	Guidance
F-22 Communications Requirements Plan (CRP), 5PD42404B	3/30/07	Guidance
F-22 Partnering Agreement	Rev 2, 6/26/07	Guidance
F-22 Aircraft Structural Integrity Program Master Plan 5PC00076M	6/3/13	Guidance
Depot Activation Master Plan	3/7/07	Guidance
F-22 Team Logistic Support Analysis Plan, 5PD00044-01D (Vol I) and 5PD00044-02F (Vol II)	8/13/10	Guidance
Depot Flow Plan (DFP) Note: Becomes Mandatory with Annual Depot Throughput CCP Award	Latest Approved	Mandatory

ACI Program Plan 5PC01464D	12/31/08	Mandatory
System Safety Program Plan (SSPP) 5PPYW002D	11/30/10	Mandatory
CSDR Reporting Plan	03/03/09	Guidance
F-22 Environmental Criteria Document, 5PPYA006H	03/01/07	Mandatory
F-22 Program Weapon System Hazardous Materials Program Plan, 5PPYW001A	03/06/92	Mandatory
5PPAA022, Air Vehicle Production Specification	Rev B CN 01	
5PPCR002, Mission Support System Specification	Rev N/C	
5PPAR001, Support System Segment Specification	Latest Revision	
5PPAT001, Training System Segment Specification	Latest Revision	
5PD91015, Maintenance Training System Support Center - Sheppard	Rev B	
5PPAT914, Cockpit & Fwd Fuselage Trainer	Rev C	
5PD92206 Sheppard AFB Training Lab/Classroom Combination Specification Control Drawing	Rev N/C	
5PD91012, Maintenance Training System Classrooms	Lates Revision	
5PD91011, Maintenance Training System Labs	Latest Revision	
5PPAT912, On-Equipment Structures Trainers	Rev A	
5PPAT911, Seat & Canopy Trainer	Rev C	
5PPAT910, Landing Gear Trainer	Rev C	
5PPAT908, Cockpit & Fwd Fuselage Trainer	Rev F	

5PPAT907, Armament Trainer	Rev D	
5PPAT906, AFT Fuselage Trainer	Rev C	
5PC90024, Ground Handling Lift Trailer	Rev N/C	
5PC90029, SES Air Servicing Cart	Rev B	
5PHD01056, ODS 5PD00847, Diesel PAO Cart	Rev A, dated 23 Jan 2002 Rev A	
5PD00848, Electric PAO Cart	Rev A	
5PHCG050, External Power Converter	Rev A	
5PHBG130, SIS	Rev A, dated Jan 2010	
5PTA0086, COLT	Rev N/C	
5PPCR001, IMIS	Rev B	
5PPAT901, Pilot Egress Procedures Trainer	Rev N/C	
5PPAT902, Pilot Full Mission Trainer	Rev N/C	
5PPAT903, Weapons and Tactics Trainer	Rev N/C	
5PPCT321, Pilot Training System Weapons and Tactics Trainer PRD	Rev A	
5PPAT905, Seat & Canopy Trainer	Rev C	
5PC01464C, ACI Program Plan	Latest Revision	
Mil-STD-882C, System Safety Program Requirements	Rev C	
5PHBG011, LRIP KS-5 Cryptographic Unit Performance Specifications	Rev N/C	
5PPAT904, On-Equipment Structures Trainer	Rev A	
MIL-STD-130N IUID	16/11/12	Mandatory
DoDI 5000.2 Section 3.2	7/01/15	Mandatory
Partnering Agreement PA#AF-LMA-05-002	3/22/07	Mandatory

Appendix E

BASE-LEVEL CONTRACTORS

1.0 GENERAL

- 1.1 The purpose of this appendix is to ensure base-level F-22 contractor employees hired by Lockheed Martin Aeronautics Company and The Boeing Company (to include sub-contractors) shall comply with all necessary home station and deployed requirements as applicable. It applies to contractor employees assigned to F-22 bases. These base-level contractor employees (hereafter referred to as “employees”) shall be considered mission essential personnel. All applicable AF and base level regulations/manuals should be reviewed for additional requirements not covered in this appendix.

2 ASSIGNED STATION RESPONSIBILITIES

2.0 GENERAL

- 2.1 The contractor shall ensure its employees comply with local administrative and work performance policies as established by the Functional Area Chief (FAC) or the designated Government representative.

2.2 FACILITY

- 2.3 The contractor facilities planners and host Civil Engineering Squadron representatives shall jointly agree on suitability of facilities during the Site Activation Task Force (SATAF) process.
- 2.4 The contractor shall ensure its employees make no alterations to facilities without concurrence of the facility custodian, Base Civil Engineer and specific written permission from the Contracting Officer; however, in the case of alteration necessary for Occupational Safety and Health Administration (OSHA) compliance, such permission shall not be unreasonably withheld.
- 2.5 The contractor shall instruct employees in utilities conservation practices, and the contractor shall be responsible for its employees operating under conditions that preclude the waste of utilities.
- 2.6 The contractor shall ensure its employees assist in maintaining common use areas in accordance with custodial, fire, safety and security requirements and adhere to all applicable regulations (OSHA, AFOSH, state, local, etc.) policies and bioenvironmental standards.
- 2.7 The contractor shall ensure its employees establish and implement key control procedures to ensure keys issued by the host are properly safeguarded and not used by unauthorized personnel. Employees are not to duplicate keys issued by the host nor use keys to open work areas for personnel other than employees engaged in performance of duties, unless authorized by the host. Employees must immediately report lost keys to the host. The cost of lost keys, re-keying, or lock replacement shall be at the contractor's expense.
- 2.8 The contractor shall provide maintenance for end equipment and switching devices for their connection to the F-22 WAN which is managed by the F-22 Information Resource

Management (FIRM). In the case of detected faults with connectivity, the contractor shall ensure the end equipment and switchgear are troubleshot before calling base communications personnel to troubleshoot the internal wiring, fiber, or copper plant.

2.9 The contractor shall ensure its employees return all workspaces to the host in the same condition as received, fair wear and tear and approved modifications excepted.

2.10 Equipment. The contractor shall ensure its employees comply with all AF and local regulations and instructions pertaining supply discipline and tool control. The contractor shall ensure its employees safeguard all Government provided property including controlled forms provided for their use. To the maximum extent possible, the contractor shall utilize the existing telephone infrastructure and equipment. Additionally, the contractor shall ensure its employees only use Government-furnished telephones for the purpose of making official Government telephone calls in the performance of the contract and shall not use such telephones for personal affairs. For local off-base and long-distance phone use (including facsimiles), contractors are responsible for payment using a fee-per-usage program set up by local Communications Squadron protocol, or by the use of contractor provided calling cards. The contractor shall also have the option of setting up telephone connectivity with a commercial carrier if this is deemed to be the most cost effective solution. The contractor shall ensure its employees only use Government-furnished computers for the purpose of official Government business in the performance of the contract and shall not use such computers for personal affairs. Employees must also adhere to rules for authorized Internet sites accessed on Government-furnished computers.

3 SECURITY

3.0 Contractors shall successfully complete a National Agency Check with Local Agency and Credit Check (NACLC) or equivalent investigation on their employees prior to each employee obtaining a restricted area badge. Contractors shall ensure MSS Administrators hold a current TS/SCI clearance.

3.1 The contractor shall ensure its employees surrender Government identification cards to the issuing activity when cards expire, are replaced, the original requirement for issuance ends, or the installation commander, sponsor, or verifying official revokes the recipient's entitlement.

4 SAFETY

4.0 On-site contractors shall comply with the local environmental, safety and health (ESH) base policies and requirements, which shall be made available to contractor personnel.

4.1 The contractor shall be responsible for the initial lay-in of peculiar hazardous materials required to support fielded aircraft, which shall reside in the host "pharmacy." The replenishment of items with NSN shall be the responsibility of the Base Supply System through the host. The contractor shall be responsible for the replenishment of the non-stock listed items. For hazardous materials needed for the Training System assets, the base shall provide courtesy storage in the host's "pharmacy." Under a CLS methodology, the contractor shall be responsible for the initial lay-in and replenishment of all spares and consumables, and spares repairs,

required to support the fielded Training System assets.

5 OTHER

- 5.0 The contractor shall ensure its employees comply with base operations plans/instructions for Force Protection Conditions (FPCON) and local search/identification requirements.
- 5.1 In the event of the contractor's medical treatment on base, the contractor shall reimburse the Government, within sixty (60) calendar days after receipt of Government invoice, for the cost of medical treatment and patient transportation service at the current inpatient/outpatient treatment rate as appropriate.
- 5.2 The contractor shall ensure its employees handle all in-coming or out-going non- Government mail through a non-DoD post office.
- 5.3 The contractor shall ensure its employees obtain and keep current a Government driver's license and flight line competency card for instances in which he/she may drive in accordance with AFI 24-301, paragraph 4.8 (as applicable). Employees must comply with all laws and instructions governing motor vehicle operation and registration on the installation. Upon departure from base, employees must surrender vehicle registration decals under the conditions specified in AFI 31-204.

6 DEPLOYED RESPONSIBILITIES

- 6.0 Subjectivity. F-22 units are dependent on contractor support at the base level to maintain aircraft combat capability, and a high potential exists for base-level contractors to deploy with F-22 units anywhere in the world for an extended period of time. Primary deployable employees are stationed at operational bases (e.g., Langley, Elmendorf, Hickam, and Holloman AFBs). However, the potential exists for employees at Nellis, Tyndall, Hill, and Sheppard AFBs to deploy with an operational unit in the case that contractor support at the operational unit is insufficient. The contractor shall segregate and separately report cost for deployed operations. The contractor understands that its employees are subject to the following:
- 6.1 Worldwide deployment to an austere location as part of a Unit Type Code (UTC), on short notice, for an undetermined time period.
- 6.2 Possible enemy attack by both conventional and biological weapons resulting in death, permanent injury/disability.
- 6.3 Becoming a hostage, prisoner of war or detainee. The employee shall be covered under DFARS 228.370(D) CAPTURE AND DETENTION.
- 6.4 Wearing of Mission-Oriented Protective Posture (MOPP) gear and Individual Protective Equipment (IPE—helmet, flak vest, etc.) when directed during deployments and exercises. Individuals requiring vision corrective lenses (glasses or contact lenses) shall have a Government administered eye examination and shall be issued optical inserts for protective mask.

- 6.5 Work hours consisting of more than eight (8) hours and different shifts, both when deployed or participating in exercises.
- 6.6 The Military Extraterritorial Jurisdiction Act of 2000, The Uniform Code of Military Justice, and the applicable Status of Forces Agreement (SOFA) (as if contractor were a military member) while deployed to overseas locations.
- 6.7 When Billeting in communal living conditions, deployed Contractor personnel will be considered as company grade officer/GS12 equivalent for billeting, messing, and support purposes.
- 6.8 Deployment to a “bare-base” location with no phones, email capability, etc.
- 6.9 Meals consisting of Meals Ready to Eat (MREs) in lieu of hot meals.
- 6.10 Travel via military air. Travel arrangements shall be made by applicable F-22 Program Office Logistics Planners in accordance with Air Mobility Command instructions and Joint Travel Regulations. Contractor shall be required to submit a Letter of Identification (LOI) to obtain military airlift and use of Government facilities.
- 6.11 (Male employees) Shaving of facial hairs (to allow for protective mask to fit properly and protect against chemicals).
- 6.12 (Female employees) Restrictions and/or possible discrimination in a deployed location due to local religious or cultural practices. Specific clothing requirements may be imposed by host country.
- 6.13 Participation in local deployment and FPCON exercises.
- 6.14 Immunizations required for the deployed location, to include (but not limited to) Anthrax and Small Pox.
- 6.15 Human Immunodeficiency Virus (HIV) testing, if specified in the DoD Foreign Clearance Guide and/or Status of Forces Agreement. If test is positive, the contractor is not precluded from deploying as long as:
 - a. The virus is not active and the employee is able to perform assigned duties without likely risk to him/herself and others.
 - b. Adequate medications and medical support are available for the employee’s stage of the disease.
 - c. The host country does not prohibit entrance of HIV-positive individuals into the country.
- 6.16 DNA blood sampling for identification purposes.
- 6.17 Military medical/dental health care when deployed in accordance AFH 41-114. Contractors shall reimburse the Government (with exception of injuries incurred by hostile actions).
- 6.18 Additional taxes on employees’ pay, according to host country regulations, unless

specifically excluded in the host country SOFA.

6.19 Requirements. In order to be capable of deployment and to maintain proficiency in deployed skills, the contractor shall ensure their employees maintain deployment kits, health/fitness levels and training requirements.

6.20 Mobility kits shall be maintained for each deployable contractor, with contents outlined in Table 4.1. The contractor shall provide items listed under “Contractor Provided” of Table 4.1.

Table 4.1 – Deployable Kit Required Items

Government Provided	Contractor Provided
Common Access/Geneva Convention Identification Card	Clothing/Equipment (except mobility/protective gear)
Identification Tags (Dog Tags)	Thirty (30) day Supply of Medications
Passport/Visa (as applicable)	International Driver’s License
DD Form 93, Record of Emergency Data	
Restricted Area Badge (as applicable for specific bases)	
License to Operate Government Vehicles (as applicable, in accordance with AFI 24-301)	
Flight line Driver’s Competency Card	
Immunization Records (see para. 3.1.14.)	
Mobility/Protective Gear (see para. 3.1.4.)	
USAF Authorization to Bear Arms (AF Form 522, as applicable, see para. 3.3.) Note: Company policy prohibits Boeing personnel from carrying firearms	
Shall (if desired)	
Power of Attorney (if desired)	

6.21 The contractor shall ensure its employees maintain medical and physical fitness sufficient to endure rigors of deployment in support of a military operation.

6.22 The contractor shall ensure its employees attend deployment training (provided by the base) and shall meet training requirements equivalent to military members in the following areas:

- Law of Armed Conflict
 - Standards of Conduct
 - Self-Aid and Buddy Care
 - Cardio-Pulmonary Resuscitation
 - Anti-Terrorism and Force Protection
 - Disaster Preparedness
 - Chemical Warfare
 - Explosive Ordinance Recognition
 - Prisoner of War
 - Culture Awareness
 - Family Separation Issues
 - Flight line Driver's Training
 - Government Vehicle Training (as applicable, in accordance with AFI 24-301, see para. 3.7.8.)
 - Small Arms Training (as applicable, in accordance with AFI 31-207, see para. 4.4.1.)
- Note: Company policy prohibits Boeing personnel from carrying firearms

6.23 Employees may be authorized to carry firearms only if approved by the combatant commander. If firearms are authorized, only Government-issued small arms and ammunition shall be issued for personal self-defense, subject to military training regulations. Note: Company policy prohibits Boeing personnel from carrying firearms.

6.24 Government Sponsorship

The Government will obtain sponsorship for Contractor personnel to enable visas and associated requirements for the host.